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COUNCIL OF GRADUATE SCHOOLS IN THE UNITED STATES

MISSISSIPPI ASSOCIATION OF COLLEGES

University of Southern Mississippi

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CALENDAR

UNIVERSITY OF SOUTHERN MISSISSIPPI
GENERAL CALENDAR 1973-1974

FALL QUARTER—1973

Friday, August 17, 1973
Deadline for making application for admission

Wednesday, August 29
Faculty available for advisement

Thursday and Friday, August 30 and 31
Pre-quarter faculty meetings

Sunday, September 2
Dormitories open

Monday and Tuesday, September 3 and 4
Orientation for freshman and transfer students

Monday, September 3
Registration by appointment

Tuesday, September 4
Continuation of registration by appointment

Wednesday, September 5
Continuation of registration by appointment
Last day to register without late registration fee
6:30- 8:00 p.m. Monday night classes meet (this week only)
8:30-10:00 p.m. Wednesday night classes meet (this week only)

Thursday, September 6
8:00 a.m. Day classes meet on schedule
1:00 p.m. Change of schedule and late registration begin
6:30- 8:00 p.m. Tuesday night classes meet (this week only)
8:30-10:00 p.m. Thursday night classes meet (this week only)

Saturday, September 8
Tuesday class periods A-E meet

Thursday, September 13
Last day for registering or adding full term Fall Quarter courses

Thursday, September 20
English Proficiency Test

Thursday, October 4
Last day for dropping courses without academic penalty

Monday, October 15
Beginning of second term of Fall Quarter—only date for adding or registering for second term courses
Deadline for submitting applications to School of Nursing

Friday, November 9
Last day of regularly scheduled classes

Monday, Tuesday, Wednesday, November 12, 13, 14
Fall Quarter Examinations (night classes will meet through Thursday, November 15, 1973)

Wednesday, November 14
Last day to file application for Winter Quarter degree completion

WINTER QUARTER—1973-1974

First Term

Tuesday, November 6, 1973
Deadline for making application for admission

Monday, November 26
Registration by appointment

Tuesday, November 27
Continuation of registration by appointment

Wednesday, November 28
Continuation of registration by appointment
Last day of registration without late fee
6:30- 8:00 p.m. Monday night classes meet (this week only)
8:30-10:00 p.m. Wednesday night classes meet (this week only)

Thursday, November 29
8:00 a.m. Day classes meet on schedule
1:00 p.m. Change of schedule and late registration begin
6:30- 8:00 p.m. Tuesday night classes meet (this week only)
8:30-10:00 p.m. Thursday night classes meet (this week only)

Thursday, December 6
Last day for registering or adding full term Winter Quarter courses

Thursday, December 13
English Proficiency Test

Wednesday, December 19
10:00 p.m. Christmas holidays begin (night classes meet)

Thursday, January 3, 1974
8:00 a.m. Class work resumes (night classes meet)

Thursday, January 10
Last day for dropping courses without academic penalty

Second Term

Wednesday, January 16
Beginning of second term of Winter Quarter—only date for adding or registering for second term courses
Deadline for submitting applications to School of Nursing

Friday, February 15
Last day of regularly scheduled classes

Monday, Tuesday, Wednesday, February 18, 19, 20
Winter Quarter Examinations (night classes will meet through Thursday, February 21, 1974)

Wednesday, February 20
Last day to file application for May graduation

SPRING QUARTER—1974

Tuesday, February 12, 1974
Deadline for making application for admission

Monday, March 4
Registration by appointment

Tuesday, March 5
Continuation of registration by appointment

Wednesday, March 6
Continuation of registration by appointment
Last day to register without late fee
6:30- 8:00 p.m. Monday night classes meet (this week only)
8:30-10:00 p.m. Wednesday night classes meet (this week only)

Thursday, March 7
8:00 a.m. Day classes meet on schedule
1:00 p.m. Change of schedule and late registration begin
6:30- 8:00 p.m. Tuesday night classes meet (this week only)
8:30-10:00 p.m. Thursday night classes meet (this week only)

Thursday, March 14
Last day for registering or adding full term Spring Quarter courses

Thursday, March 21
English Proficiency Test

Saturday, March 30
University of Southern Mississippi Day

Thursday, April 4
Last day for dropping courses without academic penalty

Thursday, April 11
10:00 p.m. Easter holidays begin (night classes will meet)

Monday, April 15
Monday night classes resume

Tuesday, April 16
8:00 a.m. Regular class work resumes
Beginning of second term of Spring Quarter—only date for adding or registering for second term courses
Deadline for submitting applications to School of Nursing

Wednesday, April 17
Last day to present signed dissertations to Graduate Office for May graduation

Friday, May 17
Last day of regularly scheduled classes
Last day to present signed thesis to Graduate Office for May graduation

Monday, Tuesday, Wednesday, May 20, 21, 22
Spring Quarter Examinations (night classes will not meet)

Wednesday, May 22
7:30 p.m. Graduation Exercises
Last day to file application for August graduation

SUMMER QUARTER—1974

Tuesday, May 14, 1974
Deadline for making application for admission

Monday, June 3
Orientation for freshman and transfer students
Registration by appointment

Tuesday, June 4
Continuation of registration by appointment
Only day to register for full quarter or first term courses without late fee

Wednesday, June 5
8:00 a.m. Day classes meet on schedule
1:00 p.m. Change of schedule and late registration begin
6:30- 8:00 p.m. Monday night classes meet (this week only)
8:30-10:00 p.m. Wednesday night classes meet (this week only)

Thursday, June 6
6:30- 8:00 p.m. Tuesday night classes meet (this week only)
8:30-10:00 p.m. Thursday night classes meet (this week only)

Friday, June 7
Last day for registering or adding first term courses

Saturday, June 8
Tuesday class periods A-E meet

Wednesday, June 12
Last day for registering or adding full quarter courses
Last day for dropping first term courses

Thursday, June 20
English Proficiency Test

Friday, June 21
Last day for dropping full quarter courses without academic penalty
Deadline for making application for admission for the second term of the Summer Quarter

Monday, July 8
Registration for second term of Summer Quarter
Second term courses may be added without change of schedule fee
Deadline for submitting applications to School of Nursing

Wednesday, July 10
Last day for registering or adding second term courses

Monday, July 15
Last day for dropping second term courses

Wednesday, July 17
Last day to present signed dissertations to Graduate Office for August graduation

Friday, August 9
Last day of regularly scheduled classes
Last day to present signed thesis to Graduate Office for August graduation

Monday, Tuesday, Wednesday, August 12, 13, 14
Summer Quarter Examinations (night classes will not meet)

Wednesday, August 14
7:30 p.m. Graduation Exercises
Last day to file application for Fall Quarter degree completion

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General Administration

Board of Trustees

Administrative Officers

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Of State Institutions of Higher Learning, State of Mississippi

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Research and Records

SIDNEY E.L. WEATHERFORD, JR., B.S., M.A., Ed.D. .....Director of Institutional Research
GENE DUANE SAUCIER, B.S., M.S. .....Director of Admissions
JAMES GILBERT LANGDON, B.S., M.S., Ed.D. .....Registrar

English Language Institute

RICHARD TAYLOR DODDER, B.S. in B.A. ....Director of the English Language Institute

*FACULTY COMMITTEES, 1972-1973

ACADEMIC COUNCIL: McCain, Moorman, Balmat, Black, Brundage, Carr, J. Daniels, Fike, Greene, Gunn, Harkins, Hartwig, B. Kalisch, Kenamond, Langdon, Lok, Mannoni, McCarty, Musgrave, P. Peddicord, G. Rayborn, H. Rogers, Ryan, Schmidt, Schoell, Switzer, Thames, Tucker, L. Tuggle, van Aller, S. Weaver, Welker, Wertz, Winger, S. Wood, Yarbrough, three student members.

ADMISSIONS & CREDITS (Undergraduate): Saucier, J. B. Brechtel, A. Jordan, Fike, Grantham, Greene, Gunn, Harkins, Langdon, Mannoni, Moorman, Schmidt, Thames, S. Weaver, one student member.

ADMISSIONS & CREDITS (Graduate): Saucier, Fike, Greene, Gunn, Langdon, Mannoni, Moorman, Schmidt, Thames, van Aller, S. Weaver, one student member.

ALLIED HEALTH PROFESSIONS: Brundage, C. Brent, Cliburn, Bain, Hesson, Martin, Stocks, Thames, Walker, S. Weaver.

ATHLETICS: Milam, J. T. Davis, Langdon, L. Miller, Saucier, Schmidt, Smalling, Switzer, one student member.

AUDITORIUM: Moorman, Fike, Hartwig, Gen. Johnson, Mannoni, Skidmore, Smalling, J. A. Smith.

CALENDAR: Moorman, Durkee, Fike, Grantham, R. Green, Greene, Gunn, Harkins, Gen. Johnson, Langdon, Mannoni, McPhail, Pound, Saucier, Schmidt, Smalling, J. A. Smith, Thames, van Aller, S. Weaver, two representatives from the Student Government Association.

COMMENCEMENT: Moorman, Chamberlin, Easterling, Fike, Greene, Groff, Gunn, Harkins, Hartwig, Gen. Johnson, Langdon, Mannoni, Ogletree, Schmidt, Smalling, Thames, van Aller, S. Weaver, Wilber, the senators-at-large from the Senior Class.

EXTENSION & PUBLIC SERVICE: Pound, Bain, Hamman, Hughes, Langdon, Larson, Moorman, H. Peddicord, Saucier, Stegenga, Tatalovich, van Aller.

FACULTY BENEFITS: Kelley, C. Brent, J. L. Davis, J. T. Davis, Drain, Gonzales, W. Hatcher, Jackson, Jaeger, Milam, Saetre, Welker, Wimberly.

FACULTY RESEARCH COUNCIL: Pound, Babin, Balmat, Faulkinberry, Galbraith, Kazelskis, Mehearg, Sanchez, D. C. Williams, Winger, van Aller, Yarbrough.

FRATERNITIES & SORORITIES: Durkee, Benner, J. B. Brechtel, Conn, J. T. Davis, Munn, H. L. Rogers, Ross, Stout, the president of the Interfraternity Council, the president of the Panhellenic Council.

GRADUATE COUNCIL: van Aller, Anglin, J. Donavan, Gottleber, Hamman, R. W. King, Lowe, McCarver, H. Peddicord, W. Tracy.

HOUSING: Smalling, Grantham, Jaeger, Gen. Johnson, A. Jordan, H. Sullivan, two student members.

LIBRARY: W. Tracy, Alcorn, Balmat, Bourgeois, M. C. Brown, Fike, Gonzales, A. Gower, Greene, Gunn, Haley, Hartwig, Moorman, J. B. Mullins, Musgrave, Thames, van Aller, S. Weaver, Wilber, three student members.

PUBLIC RELATIONS: Kirkpatrick, Cleveland, Galbraith, Gwin, Gen. Johnson, Mannoni, Ogletree, J. A. Smith, one student member.

REGISTRATION: Langdon, Chamberlin, Durkee, Fike, B. Green, Greene, Groff, Gunn, Jaeger, Moorman, Pound, Saucier, Schmidt, Smalling, J. A. Smith, Thames, van Aller, two student members.

RELIGIOUS ACTIVITIES: F. Wood, Bonner, J. T. Davis, Golden, Hales, Ogletree, C. Sullivan, van Aller, Wilber, the president of the Student Religious Federation.

STUDENT AID & SCHOLARSHIPS: Durkee, Conn, Grantham, Jaeger, Gen. Johnson, Langdon, Ogletree, Saucier, one student member.

STUDENT ACTIVITY COMMITTEE: Dunn, J. B. Brechtel, Grantham, A. Jordan, Post, Ross, the president of the Interfraternity Council, the president of the Panhellenic Council, the 1st and 2nd vice presidents of the Student Government Association, and the president of the Student Senate.

TEACHER EDUCATION COUNCIL: Gunn, Moorman, B. Davis, H. Peddicord, McPhail, College or School representatives, one student member.

TENURE: Burrus, Bahr, Easterling, R. B. King, Kenamond, Lok, Stegenga.

UNIVERSITY COUNCIL: McCain, Alcorn, P. Andersen, H. G. Anderson, Bahr, J. H. Bedenbaugh, Bonner, Brandt, C. Brent, M. C. Brown, Brundage, Burrus, Busbee, Carr, Carter, Caveny, Chamberlin, Daniels, B. J. Davis, Durkee, Easterling, Faulkinberry, Fike, Foltz, Golden, Gonzales, A. Gower, W. Gower, R. Green, Greene, Groff, Gunn, Gwin, Hamman, Harkins, G. T. Harper, Hartwig, W. Hatcher, Hoskins, Hughes, Hunter, Irby, M. C. Johnson, Gen. Johnson, R. Johnson, Jr., Kazelskis, Kelley, Langdon, Larson, Lok, Mannoni, McCarthy, McCarty, McPhail, Mehearg, Moorman, J. Morgan, Musgrave, Nau, Ogletree, Orange, R. Pearson, P. Peddicord, Pessoney, Plue, Poirier, Pound, B. Quarnstrom, Rhodes, W. M. Roberts, Saucier, Schmidt, J. R. Skates, Smalling, South, Stegenga, Stocks, Thames, W. Tracy, Tucker, van Aller, Vreeland, Walker, S. Weaver, Welker, Wilber, Wildman, Wimberly, the president of the Student Government Association, the president of the Student Senate.

UNIVERSITY UNION: Durkee, Dunn, Grantham, Hartwig, A. Jordan, Nesbitt, Ogletree, the president of the Interfraternity Council, the president of the Panhellenic Council, the 1st and 2nd vice presidents of the Student Government Association.

UNIVERSITY HONORS COUNCIL: W. Hatcher, C. Brent, M. C. Brown, S. Carpenter, Clements, Dunigan, Easterling, Fike, Gonzales, A. Gower, Gunn, R. Johnson, Jr., Kay, McCarty, Milner, Parker, B. Quarnstrom, one student representative from each Honors class.

UNIVERSITY & COLLEGE PRESS COMMITTEE: Gonzales, W. Hatcher, J. A. Smith.

*The President of the University is ex-officio member of all committees. The person named first on each committee is chairman of the committee.

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GENERAL INFORMATION

Historical

The University of Southern Mississippi was established by an act of the Legislature approved on March 30, 1910, by Governor Edmund F. Noel. Its first name was the Mississippi Normal College. Its original purpose was to train teachers for the rural schools of Mississippi.

The act of March 30, 1910, did not provide any state money for the building of Mississippi Normal College, but did provide that localities in the state might bid for its location by offering land for a site and money for constructing buildings. On September 16, 1910, the Board of Trustees accepted the bid of Hattiesburg and Forrest County to supply $250,000.00 and a free site. That site was west of the city in cut-over timberland with great pine stumps everywhere. Contracts were let to clear the land and to build buildings.

The five permanent buildings (College Hall, Forrest County Hall, Hattiesburg Hall, the Industrial Cottage [now the Honor House], and the President's Home), a temporary wooden Dining Hall, and other necessary improvements were barely finished when the Mississippi Normal College opened on the rainy morning of September 18, 1912, with a president, a faculty of eighteen, and a student body of 220.

On October 17, 1911, Joseph Anderson Cook, Superintendent of Schools, Columbus, Mississippi, was elected president. The University of Southern Mississippi has had only five presidents during the sixty years since its founding. The Board of Trustees elected Claude Bennett president effective October 10, 1928. On April 23, 1933, the Board of Trustees elected Dr. Jennings Burton George as the third president, effective July 1, 1933. On June 13, 1945, the Board of Trustees elected Dr. Robert Cecil Cook as the fourth president and he officially assumed office on July 1, 1945. On October 21, 1954, President Cook submitted his resignation. He served until December 31, 1954, and Dr. Richard Aubrey McLemore became acting president on January 1, 1955. The Board of Trustees, on May 19, 1955, elected Dr. William David McCain as the fifth president. He officially assumed office on August 1, 1955.

As has been stated, the University of Southern Mississippi was founded on March 30, 1910, as the Mississippi Normal College. On March 7, 1924, the Legislature changed the name to State Teachers College. On February 8, 1940, the Legislature changed the name to Mississippi Southern College, and on February 27, 1962, the Legislature changed the name to the University of Southern Mississippi.

The Mississippi Normal College did not grant degrees in its early years, but awarded certificates for the completion of certain specified courses of study. On April 8, 1922, the Legislature authorized the awarding of the Bachelor of Science degree. The Bachelor of Music degree was authorized by the Board of Trustees on June 19, 1934. The first Bachelor of Arts degree was awarded on August 20, 1940. On May 26, 1947, the Board of Trustees of State Institutions of Higher Learning authorized the initiation of graduate work and the awarding of the Master of Arts. Doctoral programs were first authorized by the Board of Trustees on May 20, 1959. Numerous other degree programs have been authorized during the past twenty years.

The administrative and academic organization of the University of Southern Mississippi is basic and relatively simply. This reorganization took place in 1957. The Dean of the University is responsible for the academic program. The Dean of Student Affairs is responsible for student affairs. The Financial Secretary is responsible for financial affairs and operations. The Director of Intercollegiate Athletics is responsible for the athletic program. The academic area of the University of Southern Mississippi is organized into the College of Education and Psychol-

ogy, the College of Liberal Arts, the College of Science, the School of Business Administration, the School of Fine Arts, the School of Home Economics, the School of Health, Physical Education, and Recreation, the School of Nursing, the Graduate School, and the Division of Extension and Public Service.

There has been a great increase in enrollment since the end of World War II. There were 303 students here in September, 1945, and 8800 in September, 1972.

The number of graduates is some measure of the growth of a university. The University of Southern Mississippi has awarded 31,941 degrees since the first one was conferred in 1922.

There has been great improvement in the faculty during the past fifty-eight years. In 1912 only one member of the faculty had a master's degree. During the 1972-1973 session the University employed 471 full-time and 32 part-time faculty members, a number of the latter being teaching administrators. The doctoral degree was held by 270 faculty members.

Research has been strengthened at the University of Southern Mississippi in several ways: the number of doctoral degrees has been increased; the University has established its own scholarly journals—*The Southern Quarterly* and *The Southern Journal of Educational Research;* the Computer Center has been equipped to expedite contracts and faculty research; the office of Research and Projects has been established by the University to promote research and to assist faculty members in their research activities; and the University of Southern Mississippi is a participating member of the University and College Press of Mississippi established on May 1, 1970. For further information on the University's research program, see the **Graduate Bulletin.**

The University of Southern Mississippi was established by the State of Mississippi, is owned by the State of Mississippi, and is operated and financed by the State of Mississippi. Its first Board of Trustees was established by the legislative act of March 30, 1910, and that board governed only this one institution. On February 2, 1932, the Legislature established the Board of Trustees of State Institutions of Higher Learning and placed under its jurisdiction the five colleges and one university owned and operated by the state. On November 3, 1942, the people of the state voted to make the Board of Trustees of State Institutions of Higher Learning a constitutional board for all colleges and universities of the state. The University of Southern Mississippi is now operated under the jurisdiction of that constitutional board.

Beginning the Fall Quarter, 1972, credit was awarded in terms of semester rather than the traditional quarter hours although the University continued to operate on a quarter calender, thus regularizing the credit system throughout the State's university system.

PURPOSES OF THE UNIVERSITY

The University of Southern Mississippi was founded for the purpose of serving the people of Mississippi. The University offers outstanding courses in liberal arts, education, pre-professional fields, fine arts, science, nursing, and many practical fields of knowledge. The faculty, library, laboratories, classrooms, special clinics, and student welfare services are equal to those in other colleges and universities in the United States.

The University is proud of the friendly relationship between students and faculty members, and an effort is made to work with students as individuals in their educational, social, and religious development.

The purposes of the University as developed by the administration and the faculty are as follows:

1. To prepare the young people of Mississippi and the region for useful and profitable careers.

2. To make available to the people of the area a wide spectrum of educational opportunities through its diversified and viable off-campus programs.

3. To offer opportunities for the mature citizens of the State to update their previous training and to enlarge their spheres of interest.

4. To educate broadly in the acquiring of knowledge, skills, disciplines, moral and ethical values and humanistic ideals, and in the attaining of a dignified, honest, and alert citizenship.

5. To provide, together with counseling and guidance, a well-rounded program of activities for the purpose of developing in each student a well-balanced personality.

6. To offer to the people of the area the results of a fruitful program of research in all useful areas of knowledge.

ADMISSION REQUIREMENTS AND PROCEDURES

Requirements for Entering Freshmen:

1. The applicant must be a graduate of an approved secondary school, with at least twelve units in college preparatory subjects such as English, foreign language, history and social studies, mathematics, and physical or biological sciences. A score of at least 15 on an appropriate sub-test of the American College Test may permit a waiver of the minimum requirement of units in a subject area.

2. The applicant must have a composite standard score on the American College Test of at least 15. Any exceptions must be approved by the Director of Admissions.

3. Any applicant who has not graduated from high school and who is at least **twenty years of age** may be admitted on the basis of successful completion of a general educational development test (high school level) if all other admission criteria are met.

Early Admission For Academically Talented Students: Students who have completed a minimum of 15 high school units but who have not been graduated from high school may be admitted to the University if they rank in the upper quartile of their high school class and in the upper quartile of the National Norms of the American College Testing Program composite scores, provided that they are recommended by an appropriate high school official.

Requirements for Transfer Students:

1. The applicant must be eligible to return, in good standing, to the institution last attended. Applicants who are on academic or disciplinary probation at other institutions, or who have been suspended from another institution, are ineligible for admission to the University of Southern Mississippi.

2. The applicant must present an academic average of at least C (2.00 on the four point grading system) in order to be admitted.

3. The applicant who presents fewer than forty-two semester hours (42) of credit for transfer must also present results of the American College Test.

4. Transfer credit is accepted only from institutions of higher learning which are accredited by a regional accrediting agency or the Mississippi Association of Colleges.

5. Students entering from non-accredited institutions will be accepted as guest students for one quarter (12 hours); at the end of that quarter their status will be determined on the basis of their performance at the University of Southern Mississippi.

Special, Non-Degree-Seeking Students in the Regular University:

In rare instances where a student desires to take a limited amount of course work for a special purpose and not for a degree, the Director of Admissions might grant permission as a special student. Inquiries should be directed to the Director of Admissions.

Limitation on Transfer of Credits:

Not more than sixty-six (66) semester hours or ninety-nine (99) quarter hours may be transferred from a junior college. If a transfer student has earned a total sixty-six (66) semester hours in combined junior and senior college or other credits, no additional credit will be accepted from a junior college. No former students of the University of Southern Mississippi will be allowed to transfer credits earned at a junior college once they have earned a total of sixty-six (66) semester hours from all sources. In the 128-semester-hour minimum requirement for a baccalaureate degree, at least sixty-three (63) hours must be earned in a senior college.

A maximum of sixty-six (66) semester hours of credit earned through Credit by Examination, independent study courses, extension courses, and educational experiences in the armed forces combined may be counted toward a degree at the University of Southern Mississippi. No more than thirty-two (32) semester hours earned by independent study and/or extension may be used. No more than thirty-six (36) semester hours in a degree program may be earned through Credit by Examination.

Limitation on Acceptance of Military Credit:

1. No credit is awarded for the General Educational Development Tests, College Level.
2. No credit is awarded for completion of non-enrolled courses through the United States Armed Forces Institute. Only independent study courses are accepted through that source.
3. Credit for educational experiences in the armed forces may be awarded on the basis of recommendations of the American Council on Education.
4. A maximum of sixty-six (66) hours from military schools may be used toward a degree, provided the student has no correspondence or extension credit.

Acceptance of Military Credit:

1. Credit for military schools and educational experiences in the armed forces is awarded on the basis of recommendations of the American Council on Education.
2. Courses taken through the United States Armed Forces Institute and the College Level Examination Program are accepted.
3. The General Educational Development Tests at the High School Level are accepted in lieu of a high school diploma, but no credit is given for the GED Tests, College Level.
4. A maximum of sixty-six (66) semester hours from military schools may be used toward a degree, provided the student has no independent study or extension credit.

Requirements for Military Personnel: The "Bootstrap" Program:

Military personnel on active duty who attend the University on the "Bootstrap" Program may complete degree requirements with thirty (30) semester hours of work on the Hattiesburg campus, provided all other degree requirements have been fulfilled. This amount of work may be done in two quarters (six calendar months), but many students attend for nine months or longer. Graduate students will, of course,

have to attend for at least nine months since they may transfer only six (6) semester hours from another institution.

In order to receive an official evaluation of credits to determine eligibility for "Bootstrap" attendance, the following educational credentials must be forwarded:

1. A properly executed military Form DD 295.
2. Official transcripts bearing the raised seal from each institution where credit has been earned.
3. Official transcripts and CLEP scores for courses completed through the United States Armed Forces Institute, Madison, Wisconsin.
4. Official high school transcript.
5. An application for admission should be submitted with the request for an evaluation.

All documents and correspondence should be directed to:

The Coordinator of Armed Forces Education
University of Southern Mississippi
Southern Station, Box 6
Hattiesburg, Mississippi 39401

Requirements for Foreign Students: Regular University Programs:

1. Foreign students without previous records at colleges or universities within the United States must meet the requirements outlined above for admission as freshmen with the exception of the American College Test requirement.
2. Foreign students who have already attended colleges or universities within the United States must meet the requirements outlined above for admission as transfer students.
3. All applicants who are not citizens of an English-speaking country must furnish the Director of Admissions with a satisfactory score on the Test of English As a Foreign Language (TOEFL). A minimum score of 500 is required. Information about this test can be obtained from Educational Testing Service, Princeton, New Jersey 08540, USA. Because it normally requires several months to process all necessary documents, foreign students are urged to apply for admission as early as possible. A ten-dollar ($10.00), non-refundable fee must accompany the application for admission of each foreign student.
4. All foreign students should direct documents and correspondence to:

Foreign Student Admissions
University of Southern Mississippi
Southern Station, Box 11
Hattiesburg, Mississippi 39401

Requirements for Foreign Students: The English Language Institute

Students interested in attending the English Language Institute at the University of Southern Mississippi for intensified studies in English should direct all correspondence to:

The Director of the English Language Institute
University of Southern Mississippi
Southern Station, Box 65
Hattiesburg, Mississippi 39401

Independent Study Courses, Resident and Extension Centers:

Students interested in enrolling in independent study courses or courses at resident and extension centers should write to:

The Dean of the Division of Extension and Public Service
University of Southern Mississippi
Southern Station, Box 55
Hattiesburg, Mississippi 39401

APPLICATION PROCEDURES

In making application for admission to the regular University the following procedures must be followed by the student:

1. For application materials write to:
   The Director of Admissions
   University of Southern Mississippi
   Southern Station, Box 11
   Hattiesburg, Mississippi 39401

2. Complete the application and personal data forms provided by the University of Southern Mississippi.

3. Furnish the Director of Admissions with one (1) copy of his final transcript directly from the source. If the student is applying for admission as a TRANSFER STUDENT, he must request the Registrar at each college or university previously attended to furnish the Director of Admissions with a transcript of his credits. An official transcript must be submitted from each college or university attended even though all of the credits may be posted to the transcript at the last institution attended.

4. Have scores on the American College Test sent to this office. All freshmen and transfer students with fewer than forty-two (42) semester hours of college credit are required to submit scores on the American College Test.

5. Exceptionally well qualified students may submit their records for consideration at the end of their junior year of high school.

6. Eligibility for admission cannot be determined until the application, ACT score, and scholastic records have been submitted. These items should be received before the deadline date of the quarter for which the student is applying (see Calendar).

7. The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character and must be willing to conduct his or her affairs so as to be a credit to the University.

8. The University reserves the right to cancel the admission or registration of an individual whose attendance at the University, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial to himself and to the institution.

9. Applicants should note carefully the law governing legal residence and the penalty for falsifying residence information. The law appears in the **Student Expenses** Section of this **Bulletin.**

10. The University of Southern Mississippi does not discriminate on grounds of race, color, or national origin.

ORIENTATION AND ADVISEMENT

At the beginning of each quarter, a required orientation program is provided for all new undergraduate students. The orientation programs are designed to acquaint students with the administrative officers of the University, the rules and regulations, the physical plant, and the registration procedure. The Certificate of Admission, which is issued by the Director of Admissions, provides reporting instructions for the first orientation activity. All new students are expected to be prompt in reporting as directed on the Certificate of Admission.

All new students are assigned to academic advisers and are given specific times to meet with their advisers for assistance in scheduling classes and planning programs of study to meet their individual needs. Assignment of advisers is based on the student's stated educational or

career plans. Those students who have not established definite educational or career plans are assigned to counselors in the Office of Orientation and Advisement. The Office of Orientation and Advisement provides a continuing program of academic and career counseling for all students and prospective students of the University.

STUDENT COUNSELING

The Student Counseling Center provides many services without charge to the student. Many find that a visit to this office is invaluable in solving problems that arise in university living. Counselors are available to assist the student in choosing a college major, making a vocational choice, solving personal and social problems, overcoming educational deficiences, and finding solutions to premarital and marital difficulties. The content of interviews is regarded by the Counseling Center staff as confidential.

When appropriate, the student and the counselor may select tests to appraise abilities, interests, or personality characteristics. A library of educational and occupational information is maintained. College catalogs from other institutions and many books and pamphlets on educational and personal adjustment are also available.

Prospective students and applicants are invited to make an appointment for the purpose of obtaining information concerning the University and its numerous programs. An interview with a counselor prior to orientation and registration can aid the student in his transition from a previous school or college, employment, or the military service. Students transferring from another college or a junior college are encouraged to bring a copy of their college transcripts with them.

The Student Counseling Center is located in Room 200 of the Student Services Center and is open continuously from 8:00 A.M. to 5:00 P.M. on week days. This permits students or visitors to see a counselor during the noon hour. Evening appointments can be arranged by calling 266-7119.

Counseling is usually initiated by the student. An appointment with a counselor may be made by phone (266-7119), in person, or by writing to:

Director of Student Counseling
University of Southern Mississippi
Southern Station, Box 75
Hattiesburg, Mississippi 39401.

THE STUDENT COMMUNITY
CAMPUS LIFE AND ACTIVITIES

STUDENT HOUSING

Resident Housing

Three thousand two hundred and sixty-three (3,263) spaces in air-conditioned residence halls and six hundred and forty-two (642) spaces in non air-conditioned residence halls are available for students in fourteen (14) residence halls operated by the University. These include two residence halls just off campus (Elam Arms for men and Hillcrest for women) and Vann Hall, a residence hall for athletes. These three residence halls incorporate their own dining facilities. Elam Arms and Hillcrest have heated swimming pools. Bolton, Jones, Pulley, Roberts, and Wilber are the other air-conditioned residence halls for women. Scott and Bond Halls are the other air-conditioned residence halls for men. Hattiesburg, Hickman, and Mississippi are the air-cooled residence halls for women. West Stadium is the air-cooled residence hall for men.

When students occupy rooms in a residence hall, they obligate themselves to pay for one quarter's room rent for that hall. Refunds for unused portions of room rent will be made only in case of withdrawal from the University. Residence hall fees are subject to change without notice. It is the responsibility of the student to determine the amount of fees for the residence hall to which he is assigned.

Each resident will be asked to contribute to the Residence Hall Fund which is used to maintain a TV, to pay for Homecoming decorations, courtesies, and other residence hall-sponsored activities.

All regularly enrolled undergraduate students under 21 years of age are required to live in one of the residence halls, unless they are married or live with parents or legal guardian.

Students found to be residing off campus in violation of the on-campus policy may be charged a full quarter's room rent regardless of the time during the quarter they are found to be in violation of the policy.

Assignments

Assignments of students to residence halls will be made when a student has been admitted to the University, and after the $15.00 deposit with an application for housing has been received by the Housing Office. Assignment of enrolled and former students will be made at the end of each quarter for the succeeding quarter. Roommate preference may be indicated on the application form, and, when possible, these preferences will be granted. However, the application is for accommodations in the residence halls and *not* for a specific roommate. Priority of residence hall assignments goes to enrolled and former students.

New students (freshman and transfer) will be assigned as applications are received and in order of date received.

Application should be made not later than 30 days prior to the first day of registration. Room assignments are made for new students upon arrival at the assigned residence hall at the beginning of the quarter. All residence halls will be open on the same day. New students must claim their room by 5:00 P.M. on the day the residence halls open. Rooms will be held for former students until 5:00 P.M. of the first day of registration.

Sorority members are expected to live in Wilber Hall, the Panhellenic Hall. Lodging in a fraternity house is available to the fraternity members and pledges. Arrangements are made directly with the fraternity.

Changes between residence halls are not permitted after the day before registration. However, room changes may be made within the residence hall to which a student is assigned, *provided* the change has been *approved* by the Housing Staff member of that residence hall and officially arranged in the Housing Office *before* the change is made.
THE UNIVERSITY RESERVES THE RIGHT TO ENTER ROOMS FOR INSPECTION AND MAINTENANCE.

Residence hall room assignments are mailed at least 15 days prior to the first day of registration for the quarter applied for. Those applying after the beginning of this fifteen-day period will receive a room assignment by mail if possible. If it is too late to mail the assignment, it may be secured at the Housing Office on the day the residence halls open.

Cancellations

Any person cancelling his reservation 15 days prior to the first day of registration will be refunded the $15.00 deposit. Those failing to cancel prior to the 15 days will forfeit the deposit. Cancellations must be made in writing.

Any person failing to claim his room by the time indicated above will forfeit the deposit.

All checks or money orders for housing deposits should be made out to the University of Southern Mississippi and mailed to:

The Director of Housing
University of Southern Mississippi
Southern Station, Box 64
Hattiesburg, Mississippi 39401

Other information concerning housing is available in the Housing Handbook.

Family Housing

Pine Haven Apartments, consisting of two hundred and ninety-six (296) one-two-and three-bedroom unfurnished units, are available on the campus for married students. A long waiting list exists each quarter. An applicant's position on the list is determined by the date of receipt of the application and deposit.

A quarterly housing fee is payable at the beginning of the quarter. The rent is due and payable at registration. A student obligates himself to the full fee for one quarter's rent when he moves in, unless he withdraws from the University. A deposit of $15.00 is required at the time of application and is refundable if the request is cancelled thirty (30) days prior to the date for which the application is made.

Applications and brochures may be secured at the Pine Haven Office, or by writing to the Director of Housing.

FOOD SERVICE

All persons living in residence halls are expected to purchase a meal ticket for one of the food service facilities on campus. The University Commons serves well-planned, attractive meals. Special diets may be arranged at a small extra charge. Meal tickets for the Commons are available to all students in all residence halls except Hillcrest and Elam Arms. Residents of those two dormitories must purchase meal tickets for these dining halls. The meal ticket pays for meals beginning on the actual day of registration and continuing until the end of the quarter. No supper meal is served on Sunday evening. The students pay cash for meals during the period of orientation and prior to the actual day of registration.

HEALTH AND SAFETY SERVICES

The University Clinic is a well-equipped infirmary in which the ordinary illnesses occurring during the University year, but not during the vacation or recess periods, are cared for by the University physicians and nurses. Students with more serious illnesses or injuries, or those in need of immediate surgery, are referred to the regular hospitals in Hattiesburg. Such serious illnesses, injuries, and operations, together with hospital and medical care in private hospitals, can not be the responsibility of the University. The Clinic services are available only to full-time students.

Services at no cost to the students include consultations with the physicians at the Clinic, nursing services, domiciliary care, and medical examinations for teaching certificates, as well as many incidental health services related to Student Health.

An apothecary service supplies drugs at cost to students, both in-patients and out-patients. It is under the direction of a registered pharmacist.

The clinical laboratory is directed by a registered laboratory technician. A wide range of laboratory tests ordered by physicians are at cost to students.

X-ray services are available through the Forrest General Hospital.

During regular school quarter the Clinic is open 24 hours a day, seven days a week.

AUTOMOBILES ON CAMPUS

Students and employees of the University are required to register their automobiles with the Department of Campus Security. Temporary permits are issued when the automobile is to be on the campus less than fourteen days. Parking zones have been established along with other regulations. A brochure which outlines traffic and parking regulations may be secured from the Department of Campus Security. Penalties are assessed for violation of regulations and persistent violators may be denied the privilege of operating an automobile on campus. Proof of financial responsibility (minimum insurance) is required to register your automobile.

Vehicle registration fees are per following schedule:

Automobiles—	beginning Fall Quarter to 31 August	$5.00
	beginning Winter Quarter to 31 August	4.00
	beginning Spring Quarter to 31 August	3.00
	beginning Summer Quarter to 31 August	2.00
Motorcycles—	from registration to 31 August	2.00
Bicycles—	from registration to 31 August	1.00

STUDENT ACTIVITIES

The typical vehicle of the extra curricular activities at the University of Southern Mississippi is the multitude of student organizations and activities.

Some one hundred twenty student organizations, of almost as many purposes and objectives, grace the Southern scene. These organizations include all categories of participation: service, social, religious, professional, honorary, activity, on and on to provide an opportunity for almost any interested student to participate.

While these activities are outside of or "extra to" the formal curricula they are unquestionably a part of the student's total experience while he is enrolled at the University of Southern Mississippi.

In addition to the numerous student organizations, there are three groups which, by their representative function, serve the entire student body in their various capacities and areas. These groups are: Student Government Association, University Activities Council, and Student Religious Federation.

While these bodies are deliberative and purpose to represent the views and wishes of the entire student body, other student governing groups may be found in the residence halls, the fraternity and sorority system, and the international student community.

STUDENT GOVERNMENT

The functions of the Student Government Association, composed of all registered resident students at the University of Southern Mississippi, are "to insure a continuous exchange of ideas and opinions between the students and the administration, to secure valuable training and experience in democratic self-government, to assume the fullest powers and responsibilities of self-government consistent with the constitution and laws of the State of Mississippi and the policies of the president of this institution, to promote the general student welfare, and to protect the herein enumerated rights of students."

There are three branches of student government: the legislative, the executive, and the judicial. The executive officers and the members of the legislative branch, the Student Senate, are elected by direct vote of the students. The justices of the Student Court are appointed by the

President of Student Government subject to approval by the Student Senate.

The Student Government Association operates student service-oriented programs that serve to make the student's life at Southern more convenient. Three primary programs which are relatively new are the refrigerator rental program, student loan program, and the check-cashing program.

Students have a very definite hand in the overall operation of the University through the Student Government Association as students are represented on all standing University committees. This representation, coupled with numerous Student Senate Committees and boards, brings the student leaders to grips with University administrative problems and allows them to share in solutions and decision making.

The local government unit in each dormitory is called the Dormitory Council. These councils are coordinated by the Associated Men Students and Associated Women Students and regulate all matters relating to dormitory life.

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published semi-weekly by a staff of students under the direction of faculty advisers. THE SOUTHERNER is a yearly publication, published by a student staff under the direction of a faculty adviser. CONTEMPORARY, issued yearly and sponsored by Lambda Iota Tau, represents the best of student endeavor in short stories, essays, and poetry. The DRAWL, a handbook for students, is published by the Student Government Association. The UNIVERSITY DIRECTORY, published by the University Union, a student staff, and an adviser, gives a complete list of telephone numbers and mail addresses of students, faculty, and staff of the University.

RELIGIOUS LIFE

The University of Southern Mississippi is a state supported school and is entirely non-sectarian. Religious life is encouraged, and every effort is made to cooperate with local churches. The Student Religious Federation unifies the activities of all religious groups on the campus.

It is composed of students from the entire University community and seeks to provide channels for worship and religious development. Religious Emphasis Day, services before Thanksgiving, Christmas, and Easter, films, forums, and debates are some of its sponsored activities.

Organized denominational groups representing the Assembly of God, Baptist, Christian Science, Church of Christ, Episcopal, Jewish, Lutheran, Methodist, Orthodox, Presbyterian, Mormon, Unitarian, and Roman Catholic churches are active on campus. In addition, the Fellowship of Christian Athletes and the Inter-Varsity Christian Fellowship are two organizations which are active. A Hillel Chapter for Jewish students is planned.

The office of the University Chaplain and Coordinator of Religious Affairs works with all campus religious groups in helping them to effect their ministeries. A dormitory ministry, non-credit courses, program speakers and resources are samples of its ministry.

Danforth Chapel is a place of prayer and meditation for all and is often used for worship services and weddings.

ORGANIZATIONS

General Honor Societies—There are five general honor societies on the campus. A general honor society is an association that receives into membership individuals who have achieved high scholarship and who fulfill such additional requirements of distinction in some broad field of

education and culture or in general leadership as the society has established. Phi Kappa Phi is a national honor society composed of men and women who have achieved superior scholarships. Membership in Phi Kappa Phi is the highest recognition for scholarship accorded by the University. Omicron Delta Kappa is a national honorary leadership society, membership in which is the highest recognition accorded men students of the University. Phi Delta Rho is a local honorary leadership society, membership in which is the highest recognition accorded women students of the University. Alpha Lambda Delta, for women, and Phi Eta Sigma, for men, are national honor societies which aim to encourage and reward high scholastic attainment among freshman students.

Academic Honor Societies—Alpha Epsilon Alpha (accounting), Alpha Epsilon Delta (medicine), Alpha Phi Omega (service), Alpha Psi Omega (dramatics), American Chemical Society Student Affiliate, Beta Beta Beta (biology), Delta Sigma Pi (business), CWENS (sophomore women), Gamma Beta Phi, Home Economics Club, Iota Beta Sigma, Kappa Delta Pi (education), Kappa Kappa Psi (band), Kappa Mu Epsilon (mathematics), Kappa Omicron Phi (home economics), Lambda Iota Tau (literary), Mu Phi Epsilon (music), Omicron Delta Epsilon (economics), Pershing Rifles Honor Society, Phi Alpha Theta (history), Phi Beta Lambda, Phi Delta Kappa (education), Phi Mu Alpha Sinfonia (music), Phi Chi Theta (women-business), Pi Delta Phi (French), Pi Gamma Mu (social science), Pi Kappa Delta (forensics), Pi Omega Pi (business education), Pi Sigma Epsilon (marketing), Pi Tau Chi (religion), Psi Chi (psychology), Scabbard and Blade Society (military), Sigma Alpha Eta (speech therapy), Sigma Delta Pi (Spanish), Society of Advancement of Management, Tau Beta Sigma (band).

Religious Organizations—Chi Alpha Delta XI, Association of Baptist Students, Episcopal Students Forum, Inter-Varsity Christian Fellowship, Student Religious Federation, Wesley Foundation, Westminster Fellowship, Newman Club.

Service Organizations—Botegha, Business Fraternity Council, Circle K Club, Collegiate Civinettes, Interfraternity Council, Junior Panhellenic Council, Le Cercle Francais, Little Sisters of Minerva, M Club, Panhellenic Council, Pen and Sword, Rho Epsilon, Rho Eta Sigma, Yellowjackets.

Other Organizations—Afro-American Cultural Society, American Independent Youth, Geographical Society of USM, Geology Club, HPER Club, Industrial Education Club, School of Business Administration Graduate Club, Sociology Club, Southern Gymnastic Club, Southern Journalism Society, Student National Education Club, Student Nurses Organization, United Party, University Activities Council, USM Pre-Law Club, USM Spirit Club.

Social Fraternities—Eight social fraternities hold membership in the Interfraternity Council of the University. They are Alpha Tau Omega, Kappa Alpha, Kappa Sigma, Pi Kappa Alpha, Phi Kappa Tau, Sigma Alpha Epsilon, Sigma Nu, and Sigma Phi Epsilon.

Social Sororities—Nine social sororities hold membership in the Panhellenic Council of the University. They are Alpha Sigma Alpha, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi, and Sigma Sigma Sigma.

Dramatic, Musical, and Other Performing Groups—The University's preeminence in the fine arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE UNIVERSITY THEATRE, open to all students of the University, is the campus dramatic organization sponsored by the Department of Theatre Arts.

THE CHORAL UNION, composed of students from the entire University, meets one evening a week to perform the great works in choral literature, both sacred and secular.

THE OPERA WORKSHOP, open to all students of the University, performs many works of musico-dramatic interest during the year.

THE UNIVERSITY SINGERS, auditions for which are held during the first week of each quarter, give numerous concerts and tours. There is usually a waiting list of applicants for membership. Within the UNIVERSITY SINGERS are a number of smaller ensembles, such as the Madrigal Singers and various male and female groups.

The University's bands and orchestras have an outstanding record of service to the University and the State.

THE SYMPHONIC BAND, which gives several formal concerts each year of the finest and most difficult wind literature, is comprised of selected student musicians.

THE CONCERT BAND, open to all University students, plays a concert each Spring and serves as a laboratory band for new publications and for student composers and conductors.

THE MARCHING BAND, known as "THE PRIDE OF MISSISSIPPI," presents colorful halftime shows at the University football games and appears regularly on national television. It is open to all University students.

THE DIXIE DARLINGS, a precision drill group, open by audition to the best girl dancers of the University, are well-known nationally through their many televised appearances with the Marching Band.

THE SYMPHONIC WIND ENSEMBLE is a select group of approximately fifty graduate and undergraduate musicians which reads and performs a large amount of literature, and serves as a laboratory for conducting students.

THE CHAMBER ENSEMBLES perform serious programs of the best original music for smaller groups.

THE PERCUSSION CHOIR AND MARIMBA ENSEMBLE utilizes programs of original music for chamber percussion performance.

THE JAZZ LABORATORY BAND is a full-sized modern jazz ensemble which plays the latest arrangements of music in the big band contemporary idiom.

THE ROTC BAND, open by audition to freshman and sophomore ROTC students, provides music for ROTC functions.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students and faculty members of the University, gives a number of concerts each year in addition to assisting with oratorios and operas.

Scholarships in all these musical groups are available to talented students. Auditions may be arranged through the Dean of the School of Fine Arts.

THE DEBATE SQUAD, recognized as one of the nation's best, is open to all students.

WMSU, the University's own radio, is an affiliate of NBC. The award-winning station encourages participation by any interested student regardless of major.

ATHLETICS

The University of Southern Mississippi is a member of the National Collegiate Athletic Association.

Intercollegiate sports are football, basketball, baseball, tennis, and golf.

Seasonal intramural sports, under the supervision of personnel from the Department of Physical Education, give every student an opportunity to take part in competition. Among the sports included on the program are tennis, golf, touch football, basketball, softball, badminton, volleyball, handball, track, and swimming.

The University golf course, tennis courts, swimming pools, playgrounds, and gymnasium facilities are available to all students.

R. C. COOK UNIVERSITY UNION

The center of student activities at the University of Southern Mississippi is the **R. C. Cook University Union,** which houses many of the student organization offices as well as the Alumni Association, the Placement Bureau, and the University and College Press of Mississippi. Students use the facilities of the University Union for recreation, social, religious, and organizational activities.

The University Union provides the University students a complete program of activities planned and presented through the University Activities Council.

The University Activities Council (UAC) is made up of interested students selected through an application-interview procedure. UAC activities include all facets of collegiate programming, the more prominent of which are: weekly movies, concerts, lecturers, special events, and travel.

The University Activities Council is recognized throughout the Gulf South as one of the outstanding collegiate programming groups, budgeted on per-student fee basis that allows all students to attend all UAC activities on the presentation of their student identification card.

Holding membership in the National Entertainment Conference, Southern Universities Student Government Association, and Association of College Union-International, the UAC keeps abreast of collegiate programming trends and developments throughout the nation, as well as the Gulf South.

STUDENT EXPENSES

The University of Southern Mississippi is supported chiefly by legislative appropriations. Increases in student fees are put into effect only when public support funds are inadequate and no other recourse is available. Increases are made only for support of the institution or improvement of the activity program of the students; therefore **the University must reserve the right to increase or modify fees and expenses without prior notice but with approval of the Board of Trustees of State Institutions of Higher Learning.**

Fees and expenses are in the form of incidental fees, room and board, and special fees.

INCIDENTAL FEE. This fee, together with the allocation from the legislative appropriation, is used for general support of the University and consists of charges for matriculation, library, textbook service, athletic activities, health service, University Union, University newspaper, laboratory, concert series, maintenance, administrative and academic salaries, etc. Athletic activities, health service, and newspaper are not included for part-time students.

Full-time students for purposes of assessing fees are as follows: Graduate School, seven (7) or more semester hours; all other schools

and colleges, nine (9) or more semester hours. Graduate students enrolled for more than thirteen (13) semester hours and undergraduate students enrolled for more than fourteen (14) semester hours will be assessed the applicable fee for each additional semester hour. (Students training under Veterans Administration programs are required to carry a minimum number of semester hours for the entire quarter to receive full subsistence. The requirements are seven (7) semester hours on the graduate level and nine (9) semester hours on the undergraduate level.)

Textbooks, except for textbooks in foreign language courses and certain other courses, are provided on a loan basis to all undergraduate students.

Clinical and hospital services covered by the health service charge included in the incidental fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical, and physical resources of the Clinic. The University does not assume responsibility in cases of extended illness or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice.

ROOM AND BOARD. The room and board fees are assessed for all students living in University-controlled dormitories and those students living in fraternity houses. All students rooming in dormitories or fraternity houses are required to take their meals in the University Commons.

A room deposit of $15.00 is payable in advance for the reservation of space in the dormitories. This amount is held as a breakage deposit until a student withdraws from the dormitory.

A student accepting dormitory space will be financially obligated to pay the full quarter's room rent. A refund of the dormitory fee will be made only upon withdrawal from the University.

OTHER FINANCIAL INFORMATION. Fees of all students are due and payable at time of registration; however, fees of students enrolled for **six semester hours or more** may be paid one-half upon entrance and the balance one week prior to the beginning of the second half of the quarter. This procedure applies on all campuses and resident center locations only.

The University reserves the right to withhold readmission to a student until all delinquent accounts have been paid. Transcripts of credits will not be issued for students whose accounts are delinquent.

Fines accumulated as a result of failure to adhere to the established procedures of the University, such as Library and Security regulations, or any other policy establishing regulations for the protection of University property, shall become collectible by the Business Office, and, if not collected, shall constitute a delinquent account.

Students whose checks for registration are returned will be assessed the late registration fee of $10.00.

Students who are permitted to register for independent study courses in residence will be charged a fee of $15.00 per semester hour.

A fee of $2.00 for operation of the University Union is included in the fees of all full-time students. A $10.00 fee is added to the incidental fee assessment of part-time students.

Courses requiring special fees and music fees are shown in the Special Fee listing (Table II).

A fee of $6.50 for **The Southerner** (University annual) is payable each school year by all full-time undergraduate students.

NON-RESIDENT STATUS. The Legislature of the State of Mississippi has passed the following legislation concerning non-resident status:

The board of trustees of each junior college in this state, the board of trustees of state institutions of higher learning, and the administrative

authorities of each institution governed by said boards, in ascertaining and determining the legal residence of and tuition to be charged any student applying for admission to such institutions, shall be governed by the following definitions and conditions:

Legal residence of a minor. The residence of a person less than twenty-one (21) years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his person, duly appointed by a proper court of Mississippi, in which case his residence becomes that of the guardian.

Legal residence of an adult. The residence of an adult is that place where he is domiciled, that is, the place where he actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent.

Removal of parents from Mississippi. If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a non-resident student.

Twelve months of residence required. No student may be admitted to any institution of higher learning as a resident of Mississippi unless his residence, as defined hereinabove, has been in the State of Mississippi for a continuous period of at least twelve (12) months immediately preceding his admission.

Residence in an educational institution not counted. A person who has entered the State of Mississippi from another state and enters an educational institution within twelve (12) months is considered a non-resident. For this reason, any period of time when such a person is enrolled in any educational institution in Mississippi may not be counted as any part of the twelve (12) months prerequisite to his admission to an institution of higher learning as a resident student. Even though he may have been legally adopted by a resident of Mississippi, or may have been a qualified voter, or a landowner, or may otherwise have sought to establish legal residence, such a person will still be considered as being a non-resident of Mississippi if he has entered this state for the purpose of enrolling in an educational institution.

Residence status of a married woman. A married woman may claim the residence status of her husband, or she may claim independent residence status under the same regulations, set forth above, as any other adult.

Children of parents who are employed by institutions of higher learning. Children of parents who are members of the faculty or staff of any institution under the jurisdiction of the board of trustees may be classified as residents during the time that their parents are such faculty or staff members without regard to the residence requirement of twelve (12) months, for the purpose of attendance at the institution where their parents are faculty or staff members.

Military personnel assigned an active duty station in Mississippi. Members of the armed forces on extended active duty and stationed within the State of Mississippi, except those military personnel whose active duty assignment in the State of Mississippi is for educational purposes, may be classified as residents, without regard to the residence requirement of twelve (12) months, for the purpose of attendance of state-supported institutions of higher learning and junior colleges of the State of Mississippi. Resident status of such military personnel who are not legal residents of Mississippi, as defined under "Legal residence of an

adult" in paragraph 2 above, shall terminate upon their reassignment for duty in the continental United States outside the State of Mississippi.

Children of military personnel. Resident status of children of members of the Armed Forces on extended active duty shall be that of the military parent for the purpose of attending State-supported institutions of higher learning and junior colleges of the State of Mississippi during the time that their military parents are stationed within the State of Mississippi and shall be continued through the time that military parents are stationed in an overseas area with last duty assignment within the State of Mississippi, excepting temporary training assignments en route from Mississippi. Resident status of minor children shall terminate upon reassignment under Permanent Change of Station Orders of their military parents for duty in the continental United States outside the State of Mississippi, excepting temporary training assignments en route from Mississippi.

Certification of residence of military personnel. A military person on active duty stationed in Mississippi who wishes to avail himself or his dependents of the provisions of paragraph 8, must submit a certificate from his military organization showing the name of the military member; the name of the department, if for a dependent; the name of the organization of assignment and its address (may be in the letterhead); that the military member will be on active duty stationed in Mississippi on the date of registration at the State-supported institution of higher learning or junior college of the State of Mississippi; that the military member is not on transfer orders; and the signature of the Commanding Officer, the Adjutant, or the Personnel Officer of the unit of assignment with signer's rank and title. A military certificate must be presented to the registrar of the State-supported institution of higher learning or junior college of the State of Mississippi each semester or trisemester at (or within ten (10) days prior to) registration each semester for the provisions of paragraph 8 hereof to be effective.

Aliens. All aliens are classified as non-residents.

REFUND POLICY. A student who officially withdraws after enrollment may obtain a refund in accordance with the following:

a. A refund of 80% of incidental and special fees paid will be made to a student who withdraws within the week following the week of registration.

b. A student who withdraws for any reason prior to midterm of any quarter but after the week following the week of registration will be refunded 50% of the incidental and special fees.

c. A student who withdraws after midterm of any quarter will not be entitled to a refund of fees.

d. No adjustment of incidental and special fees will be made when courses are dropped after the week following the week of registration.

e. Room and board fees are refunded on the basis of full weeks remaining in the quarter.

TABLE I

EXPENSES EACH QUARTER

(All fees are subject to change without notice. See page 29.)

FULL-TIME STUDENTS

Fixed Fees

Incidental fee	$159.00
*Room rent—air conditioned dormitory	110.00
Room rent—other dormitory	90.00
*Board	105.00
*Note: (Hillcrest (Room and Board)	260.00

Elam Arms (Room and Board) 260.00
Vann Hall (Room and Board) 235.00
Bolton Hall (Room and Board) 225.00

Other Fees When Applicable

Non-resident fee $200.00
The Southerner 6.50
Post Office box, per quarter 1.25

Note: These fees apply on all campuses.

PART-TIME STUDENTS—**Each semester hour**

Incidental fee graduate student $24.00
Incidental fee undergraduate student 19.00
Non-resident fee:
Graduate student 29.00
Undergraduate student 23.00

Note: These fees apply on all campuses.

TABLE II

SPECIAL FEES AND EXPENSES

Departmental Fees:

Adult Education CIA 495 .....$20.00 per course
Elementary Education 480, 482, 484, 492, 493 each ..... 20.00 per course
Home Economics Education 403 ..... 20.00 per course
Home Economics Education 405 ..... 10.00 per course
Special Education 480, 482, 483, 485, each ..... 20.00 per course
Library Science 489 ..... 10.00 per course
Secondary Education CIS 481, 482, 483, 484, 485, 486, 487, 488, 489, 491, 492, 493, 494, 496 ..... 20.00 per course

Music Fees—Private Lessons for other than Full-time Music Majors:

1 quarter hour per instructor .....$19.00 per quarter
2 quarter hours per instructor ..... 36.00 per quarter
3 quarter hours per instructor ..... 53.00 per quarter
Each additional supervised lesson ..... 17.00 per quarter
*Orchestral or Band Instrument rental ..... 6.00 per quarter

*This fee applies to music majors and minors as well as to other students.

Reading Center, Individual Remedial Instructions:

Special Students (Non-credit) .....$25.00 per quarter
Complete Reading Diagnosis ..... 20.00 with written report
Re-evaluation 5.00

Speech and Hearing Clinic Services:

Audiometric Pure Tone Test .....$ 5.00
Diagnostic Hearing Evaluation 10.00
Hearing Aid Evaluation 15.00
Hearing Evaluation for Medical-Legal Compensation Claims 25.00
Diagnostic Speech Evaluation 10.00
Speech or Hearing Therapy fees per session 2.00
Therapy fees for University students per quarter 5.00

Examinations and Graduation:

Challenge Examination $10.00
Revalidation Examination ..... 5.00 when applicable
Special Examination ..... 3.00 when applicable
Graduation fee—Bachelor* ..... 12.00 with application for degree
Certificate ..... 2.75 when applicable

Extension and Public Service		
Resident Center		
Undergraduate Course	$19.00	per semester hour
Graduate Course	24.00	per semester hour
Resident Center—laboratory fee	6.00	per course
Resident Center—typing fee	5.00	per course
Extension Center		
Undergraduate Course	19.00	per semester hour
Graduate Course	24.00	per semester hour
Independent Study Courses	15.00	per semester hour
High School Independent Study Courses	25.00	per half unit
Registration and Records:		
Change of Schedule	5.00	when applicable
Late Registration	10.00	
Evaluation Fee for Foreign Students (Non-refundable)	10.00	with application
Memorandum of credits	.50	each
Transcript of Credits	1.00	when applicable

*Requests for refund of this fee will be based on circumstances existing at the time of request in accordance with policy on file. This fee covers the following expenses: diploma, cap and gown, commencement arrangements, and alumni dues for one year.

STUDENT AID AND SCHOLARSHIPS

The following information is a summary of the student aid and scholarship program. For further information and application forms, write to:

Director of Student Aid and Scholarships
University of Southern Mississippi
Southern Station, Box 101
Hattiesburg, Mississippi 39401

APPLICATIONS. All applicants for student aid of any type must have been accepted for admission at the University before assistance can be granted. This does not preclude the submission of an application for assistance at the time application for admission to the University is made. Applications should be made before June 1st with one exception. Entering freshmen must apply by May 1.

PARENTS' CONFIDENTIAL STATEMENT REQUIRED

The University of Southern Mississippi participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. The CSS assists colleges and universities and other agencies in determining the student's need for financial assistance. All students seeking financial assistance are required to submit a copy of the Parents' Confidential Statement (PCS) form to the College Scholarship Service, designating the University of Southern Mississippi as one of the recipients, by April 15. The PCS form may be obtained from a secondary school, or the College Scholarship Service, P. O. Box 176, Princeton, New Jersey 08540, or P. O. Box 1025, Berkeley, California 94704.

NOTE: The Parents' Confidential Statement alone is *not* an application for assistance. This statement is, however, a very important and necessary part of the application for the National Direct Student Loan, College Work-Study Program, and the Educational Opportunity Grant Program.

STUDENT EMPLOYMENT ON CAMPUS. Student jobs are awarded

during the month of August (and as vacancies occur during the school year) to those students who have applied for them. Students work from ten to fifteen hours per week. Student employees are paid $1.60 per hour. These student employees (approximately 400) are an important part of the working staff of the University, and their work must be done in a highly efficient manner. Applications received after August 1 cannot be considered for the fall quarter.

OFF-CAMPUS EMPLOYMENT. Work in town is available to many students. Employers often call the University for part-time workers. Students who have applied for this type work are referred to them. Approximately 300 students hold part-time positions in the city of Hattiesburg. Salaries vary according to the position held. Applications for work in town are received at any time during the year. Referrals are made as requests are received from employers.

MERIT SCHOLARSHIPS. Merit Scholarships, based on scholarly ability, are available in all fields of study. They range in value from $100.00 to $500.00 for the nine months. Students who have demonstrated outstanding ability in any particular field of study are encouraged to apply for one of these scholarships.

REGIONAL MERIT SCHOLARSHIPS. Regional Merit (out-of-state) Scholarships are awarded to students of exceptional ability whose residence is outside the State of Mississippi. These scholarships are valued up to $600.00 for the nine months. This scholarship represents a waiver of non-resident fees.

SERVICE SCHOLARSHIPS. Service Scholarships are based on skill and ability. These scholarships are available in band and music as well as in athletics and range in value from $100.00 to over $500.00 for the nine months.

LOAN PROGRAMS. Loan programs, both short-term and long-term, are available to the student who needs to make use of them. The University administers the National Direct Student Loan, the Federally Insured Loan, and the United Student Aid Funds Loan. Additional information may be obtained by writing the Director of Student Aid and Scholarships.

COLLEGE WORK-STUDY PROGRAM

Title I, Part C, of the Economic Opportunity Act of 1964 initiated the College Work-Study Program to stimulate and promote the part-time employment of students in institutions of higher education who are from low-income families or are in need of the earnings from such employment to pursue courses of study at such institutions. Primary consideration is given to those students from low-income families. Additional information may be obtained by writing the Director of Student Aid and Scholarships.

EDUCATIONAL OPPORTUNITY GRANTS

Educational Opportunity Grants were authorized by the Higher Education Act of 1965. An institution may award an Educational Opportunity Grant to a student only if it determines that such student: (1) is a national of the United States for other than a temporary purpose and intends to become a permanent resident; (2) has been accepted for enrollment as a full-time undergraduate student, or is in good standing and in full-time attendance as an undergraduate student; (3) shows evidence of academic or creative promise and capability of maintaining good standing in his course of study; (4) is of exceptional financial need; and (5) would not be financially able to attend the institution without an Educational Opportunity Grant. A student who attends school part-time is not eligible for a grant. A grant **may not** be given to any student for study beyond the **first four** years of full-time study.

LAW ENFORCEMENT EDUCATION PROGRAM

Title I, Part D., Section 406 of the Omnibus Crime Control and Safe Streets Act of 1968 (Public Law 90-351) authorized the establishment of the Law Enforcement Education Program.

The Law Enforcement Education Program provides assistance through both grants and loans. Both grants or loans are available to in-service law enforcement personnel. Pre-service applicants are eligible for loans only. Pre-law and law students are not eligible to participate in this program.

Additional information and application forms may be secured by writing the Director of Student Aid and Scholarships.

ROTC SCHOLARSHIP PROGRAM

See Military Science and Aerospace Studies sections for scholarship information.

UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION

The University of Southern Mississippi Foundation is a Mississippi corporation whose sole purpose is to receive and manage gifts, contributions, and donations to the University of Southern Mississippi for educational purposes. It provides a centralized receptacle for receiving gifts of any nature to the University, handling these in a manner prescribed by the donor or in accordance with good business judgment, and making the gifts work for the growth and development of **Southern.** The Foundation is managed by a Board of Directors composed of former students and friends of the University.

The Foundation Charter was so drawn that assistance could be given to any area of development at **Southern** so long as it is used for educational purposes. Some of the long-range plans include: sponsoring research, sponsoring faculty chairs, supplementing faculty salaries, aiding the library, providing special equipment, making possible achievement awards for faculty and students, providing fellowships and scholarships, and contributing to the building of the physical plant.

During the early years of the Foundation, emphasis will be placed on securing scholarship funds. This is considered to be one of the greatest needs at the present time. The Foundation solicits the funds, but the awards are made by the University Scholarship Committee.

SCHOLARSHIPS AVAILABLE THROUGH THE FOUNDATION

Accounting Achievement Endowment—Scholarships to recognize achievement by accounting majors and other activities for the benefit of the Department of Accounting.

Alpha Psi Omega—Scholarships for students in the Department of Theatre Arts.

Oliver V. Austin—Deserving, undergraduate major in science.

Carrie Norton Herring Bennett—Fellowship to be awarded to a graduate student in the School of Home Economics upon the recommendation of the faculty of that School. Receipents must pay at least half of the sum received within two years of graduation or last attendance.

R. G. Bigelow—High academic, junior, senior, or graduate student who plans to teach.

Kathy Brown—Sponsored by Pen and Sword—Funds from this endowment program shall be awarded to: 1—Active military personnel or dependents of former USM bootstrappers; 2—Dependents of military personnel; or 3—Other eligibles.

Clyde C. Bryan—Music majors, sophomore or advance standing, good academic average, Baptist, financial need. Sponsored by Mr. and Mrs. J. D. Thomas of Hattiesburg. Two awarded.

Century Club—Scholarships for athletes.

Mr. and Mrs. A. F. Chisholm—Capable and deserving student.

Citizens Bank of Hattiesburg—Capable and deserving student with preference given to Forrest County and/or Mississippi.

Coast Federal Savings and Loan Association, Gulfport—Gulfport area student, Business.

Commercial National Bank and Trust Company, Laurel—Capable and deserving Jones County student.

Betty Dukes Craft—Sponsored by Forrest County Home Economics Alumnae and James K. Dukes, brother of Betty Dukes Craft. Outstanding student in Home Economics.

Distinguished Professor Award—Presented in the name of the Distinguished Professor of the Year in the same discipline.

Jeanne Dixon—Recipient must be a Marketing major, have a good academic average, participate in Marketing activities, and have economic need.

W. R. Fairchild Construction Company—Capable and deserving students from Covington or Forrest County; and one in Accounting.

Faulkner Concrete Pipe Company, Hattiesburg—Merit and need.

First Federal Savings and Loan Association, Hattiesburg—Economics or Finance.

First Mississippi National Bank, Hattiesburg—Best interest of the University with preference to surrounding area students. Economic need a factor. Ten awarded.

First National Bank of Laurel—Awarded to a resident of Covington, Jasper, Jones, Perry, Smith, or Wayne County.

Mr. and Mrs. L. Y. Foote Endowment—Best interest of the University with economic need a factor.

Forrest County Alumni Chapter—Capable and deserving Forrest County students.

Bertha M. Fritzsche Graduate Fellowship—Outstanding student in Home Economics.

General Merit—Any student is eligible on merit basis; several given.

Lester Haddox—Worthy and promising student from Marion, Amite, Lincoln, Pike, or Walthall County.

Hancock Bank, Gulfport—Junior or senior student residing in Hancock or Harrison County, majoring in Business Administration.

Mary Stuart Harmon Memorial—Outstanding student in piano.

Harrison County Alumni Chapter—Capable and deserving Harrison County students.

Hattiesburg Federal Savings and Loan Association—Capable and deserving student; given in memory of deceased directors.

Hercules Employees—Capable and needy student.

W. B. Harlan Memorial—Economic need, male student in Business Administration.

Alma Hickman—Capable and needy student.

1958 Class Endowment—Capable and needy student.

1959 Class Endowment—Capable and needy student.

1960 Class Endowment—Capable and needy student.

1961 Class Endowment—Capable and needy student.

1962 Class Endowment—Capable and needy student.

Scholarship Fund of the Sixties—Capable and needy student.

Jones County Alumni Chapter—Capable and deserving Jones County students; preference given to junior or senior students.

Junior Panhellenic Council—Recommended by Panhellenic Council.

Eleanor and J. B. Kirkland—Capable and deserving students who need financial assistance.

Mr. and Mrs. J. D. Lewis Endowment—Scholarship to be awarded on the basis of citizenship record, economic need, academic work, and Mississippian.

L & A Contracting Company—Capable and deserving student.

Lamar County Alumni Chapter—Capable and needy Lamar County student.

Laurel Federal Savings & Loan Association—To be awarded to a student majoring in Finance, Economics, or Business Administration who resides in Jones, Wayne, Jasper, Covington, Smith, Simpson or Perry County who needs financial assistance.

E. Lubritz—Capable and deserving junior or senior student majoring in Art Education.

Raymond Mannoni—Students majoring in the School of Fine Arts on merit basis.

Marion County Alumni Chapter—Honoring Doyle M. Coats and Miss Chrystelle Ford; to be presented to an otustanding Marion County student.

Sam Miller—Capable and deserving student.

Mississippi Broadcasters Association—Radio-TV-Film major, resident of Mississippi, reasonable academic standing, financial need.

Movie Star Corporation—Capable and deserving student; preference given to children of employees.

William Walter Munson Memorial—Worthy boys and girls who are enrolled as regular students.

Nursing Scholarships—Capable and deserving students majoring in nursing.

George Robert Olliphant Memorial—Scholarships for needy and deserving students from Mississippi with preference to Enterprise or to Clarke County.

Paint Research Institute—Graduate fellowship in Chemistry.

Peck Oil Company—Capable and deserving Forrest County student.

Pi Omega Pi—Outstanding student in Business Education.

Lindsey Risher-Philip Morris—Upperclassman with average or better grades, good character, in great need of financial assistance to complete his education.

M. M. Roberts—Capable and deserving undergraduate student who is a Mississippian.

Security Savings & Loan Association of Bay St. Louis and Gulfport—Capable and deserving student from Hancock or Harrison County.

W. W. Stout Memorial—Creative student majoring in English.

Emmett V. Thomas—Capable and deserving students.

John D. Thomas Family Home Economics—Capable and worthy student majoring in Home Economics.

William A. Thomson—Capable and deserving student in the Hattiesburg area.

Douglas A. Traweek—Senior student with preference given to Clarke County.

B. O. Van Hook Golf Scholarship—Scholarships for outstanding members of the golf team.

Paul Waldoff Memorial—Mississippian, economic need, Mathematics major.

Washington County Alumni Chapter—Capable and deserving students from Washington County.

Winn-Dixie Stores Foundation—Junior or senior, residence, and other requirements.

Ivah O. Wilber Panhellenic Scholarship—To be awarded annually to a sorority woman upon recommendation of the Assistant Dean of Students, the Panhellenic Adviser, and the Panhellenic Council in memory of the former Dean of Women and Panhellenic Adviser.

John Everett Williams Memorial—Sponsored by Jackson County Alumni Chapter—Outstanding students from Jackson County.

Yellowjackets-USM—Entering freshmen, academic promise; five offered.

LIBRARY

The Joseph Anderson Cook Memorial Library is a modern, two-story building completely fire-proof and air-conditioned. Of modular construction, it is arranged in four large divisional areas, each division containing its own current and bound periodicals, classified books, and other materials in the subject field. Book stacks to accommodate 400,000 volumes and reading areas for 1,400 students are intermingled throughout the Library, with the book stacks open to all. Special features are the study carrels, exhibit areas, a micro-reading area, typing room, bibliography room, and a rare book room. The Library Science Department is housed on the second floor of the building, as are the rooms containing Mississippiana and archives.

The Library is open from Monday through Friday from 7:45 A.M. to 10:30 P.M., Saturday from 8:00 A.M. to 6:00 P.M., and Sunday from 2:00 P.M. to 10:00 P.M.

THE BILBO COLLECTION

In 1961, the University acquired, through the efforts of Dr. William D. McCain, President, the Theodore G. Bilbo papers. This collection contains an estimated 1,000,000 pieces of Bilbo correspondence. The letters cover Theodore G. Bilbo's public life from January 1, 1923, until his death in 1947. Correspondence to Bilbo came from persons in all walks of life and covered both personal and public matters.

To quote Dr. McCain "This is the only complete file of papers and records of any Mississippian of prominence in the political life of the state to be preserved in a public depository. We are most happy, as I am sure the majority of Mississippians, that this priceless collection has been saved for study and use by future generations."

As many persons still in public life are included in the collection, and because of the frankness of the correspondence, use of the material must be restricted to approved research.

Theodore G. Bilbo served in the Mississippi State Senate, was Lieutenant Governor, served as Governor in 1916 and 1928 (the first person to serve a second term as Governor of Mississippi), and was a U.S. Senator from 1934 until his death in 1947.

THE WILLIAM M. COLMER PAPERS

Through the efforts of Dr. William D. McCain, President of the University of Southern Mississippi, the first installment of the William M. Colmer Papers were acquired by the University Library in 1970. These papers, which have been indexed by Waller Batson, cover William M. Colmer's congressional activities from 1933 to 1962. Included in the papers are Congressman Colmer's general correspondence, correspondence

related to positions, legislative bills introduced by Colmer and correspondence on these bills, newsletters, speeches, and miscellaneous statements and news releases.

Congressman Colmer has served in Congress longer than any other Mississippian; he assumed office on March 4, 1933, as did President Franklin D. Roosevelt. Colmer's papers cover the period from the depression, through three wars, to the present period of unrest. They reflect his reaction and the reaction of his constituents to the events of this period. His papers offer a rich source of research to qualified scholars.

THE SAM WOODS COLLECTION

The Sam Woods Collection, a gift of the late Sam E. Woods, alumnus of the University and a former consul general of Switzerland, is comprised of paintings, large Flemish tapestries, antique furniture, and rare books. In the collection are 230 paintings, including the *Holy Family* by Amigoni from the Stennis Collection, a Murrillo copy of the *Holy Family* from the Prado Gallery, and many Rembrandt and Durer etchings and woodcuts, as well as oils and water colors by contemporary German artists. They have been hung in the President's Home, the Library, and other main buildings throughout the campus. This collection of paintings is probably the largest in the state. Much of the furniture is of the Renaissance period.

The very valuable collection of more than 1100 early printed and fine press books includes several rare Bibles which have hand-carved bindings and which are illustrated by Durer and other artists. The collection also includes several atlases of the sixteenth and seventeenth centuries. Of special interest are approximately fifty beautifully illuminated pages from incunabula, as well as globes made before 1800 and maps of America and other countries made before 1700. This collection is housed in the Sam Woods Room in the Library.

CHILDREN'S LITERATURE COLLECTION

In 1966 Dr. Lena de Grummond began the establishment of a special collection of children's literature in the University Library. The collection can be divided into two parts: (1) children's books published before 1900; and (2) the acquisition of manuscripts, original illustrations, sketches, and dummy books that have been used in the writing, illustrating, and publishing of contemporary children's books. Over five hundred persons, including many of the best known writers and illustrators of children's books of today, have contributed their original materials to the collection. It has developed so rapidly that the collection already contains over 7,000 drawings and illustrations, 2,500 photographs, 1,341 manuscripts, and 156 dummy books. Through manuscripts with their frequent revisions and the alterations between rough sketches and the completed illustrations there is a record of the creative process for some of the writers and illustrators of children's books.

THE ENGLISH LANGUAGE INSTITUTE

The English Language Institute offers five- and ten-week orientation courses to non-English speaking people, with classes in the culture and customs of the United States and in the English language, including conversation, grammar, and composition. These courses are attended by business and professional people as well as students from colleges and universities throughout Latin America, Europe, and Asia.

The Institute offers the international student the opportunity to meet English-speaking students and participate in the extra-curricular activities of the University.

Students enrolled in the English Language Institute receive over 300 hours of instruction during the ten-week period, using the latest

teaching methods and materials including teaching machines and programmed texts, tapes, audio-visual aids, etc.

Both the Michigan Language Proficiency Test and the Educational Testing Service's Test of English as a Foreign Language are offered through the Institute at specified dates during the year. Any international student may take these examinations by applying in advance to the Institute or respectively to the University of Michigan or to the Educational Testing Service. For further information, write to:

The Director
English Language Institute
University of Southern Mississippi
Southern Station, Box 65
Hattiesburg, Mississippi 39401

UNIVERSITY OF SOUTHERN MISSISSIPPI ALUMNI ASSOCIATION

The Alumni Association has been in existence since 1917. During the early years its chief function was related to placement service. Beginning with the session of 1945-1946, the organization experienced a rebirth. Recognizing the fact that a working alumni association is vital to the development of the institution, the Executive Committee began the organization of alumni groups in the various counties of the state. On July 1, 1953, a full-time executive secretary was employed.

The Association publishes the ALUMNI NEWS magazine four times a year. Active members of the Association receive all issues while four issues of SOUTHERN NEWS AND VIEWS are mailed to all persons on record in the Alumni Office. Graduates and former students are urged to become active members of the organization and to help support the program of activities that is designed to assist the University in its growth and development.

The Alumni Association sponsored the drive to raise the funds necessary for the construction of the R. C. Cook University Union Building. These funds were secured from alumni, faculty, students, friends, and the people of Forrest County and the state.

For the past three years the Association has enlisted in excess of 10,000 active members. This has grown from 158 during the 1952-1953 year.

Two meetings of the general association are held each fiscal year, the first at the annual homecoming in the fall and the second at the Mississippi Education convention in Jackson.

At the 1954 Homecoming meeting, the association voted to observe March 30 as University of Southern Mississippi Day. Former students of the University are urged to get together on this date when two or more reside in the same area. Organized chapters elect officers at this meeting. March 30 was selected from the important dates in the history of the school because it was on this day in 1910 that the Mississippi Legislature enacted legislation establishing the institution.

The Alumni Association helped set up the University of Southern Mississippi Foundation which is the receptacle for all gifts to **Southern,** which gifts are, in turn, channeled into scholarships for the students.

The Association organized, and works very closely with, the Student-Alumni Association. The purpose of this organization is to get students involved with the activities which the Alumni Association promotes in the interest of the University. A maximum of 100 students are selected on the basis of their leadership ability and where they reside; these students are a very interested and active part of the Association.

PLACEMENT BUREAU

The function of the Placement Bureau is dual in nature. It provides assistance to graduating seniors, graduate students, and alumni in ob-

taining suitable employment, and to employers in recruiting qualified employees. The services are provided at no cost to the student or to the employer.

Throughout the year, current listings of employment opportunities, both in state and out of state, in teaching, business, industry, and government are made available to the students. Also, on-campus interviews are scheduled with personnel representatives from schools, businesses, industries, and governmental agencies. Students registered with the Bureau are notified of these interview schedules, and all who are interested are given the opportunity for individual interviews.

All seniors should register with the Placement Bureau and establish a confidential placement credential folder during the last quarter of their junior year, or the first quarter of their senior year. These placement credentials are very valuable to on-campus recruiters and to those who telephone or write for information about prospective employees. After graduation and/or when the registrant has found suitable employment, the placement file is stored and may be quite helpful in later years if a registrant wishes to change employment or to enter graduate school.

ACADEMIC ORGANIZATION AND REQUIREMENTS

Organization for Instruction

General Academic Regulations

Degree Requirements

A. ORGANIZATION FOR INSTRUCTION

The University of Southern Mississippi for purposes of undergraduate instruction is organized into the College of Education and Psychology, the College of Liberal Arts, the College of Science, the School of Business Administration, the School of Fine Arts, the School of Home Economics, the School of Nursing, the School of Health, Physical Education, and Recreation, and the Division of Extension and Public Service. Except for the Division of Extension and Public Service these are all degree-granting colleges and schools.

The University of Southern Mississippi grants the following baccalaureate degrees:

from the College of Education and Psychology:

the Bachelor of Science "Professional" or teaching degree
the Bachelor of Arts non-teaching degree
the Bachelor of Science non-teaching degree

from the College of Liberal Arts:

the Bachelor of Arts
the Bachelor of Science

from the College of Science:

the Bachelor of Science
the Bachelor of Arts

from the School of Business Administration:

the Bachelor of Science in Business Administration

from the School of Fine Arts:

the Bachelor of Fine Arts
the Bachelor of Music
the Bachelor of Music Education
the Bachelor of Arts

from the School of Health, Physical Education, and Recreation:

the Bachelor of Science

from the School of Home Economics:

the Bachelor of Science

from the School of Nursing:

the Bachelor of Science

ADDITIONAL INFORMATION

To be eligible for any of these baccalaureate degrees, the student must complete:

1. The General Core curriculum
2. Any additional curricular requirements of the particular college or school in which he will graduate
3. Requirements for a major or majors and a minor (if a minor is required)
4. Any other specific requirement for the chosen degree, or the major or minor

Specific requirements for major and minors are outlined under each department in the Colleges and Schools Section of this catalog.

Academic Programs Currently Offered

The baccalaureate or undergraduate degree may currently be earned in any of the following areas of specialization. Graduate or post-baccalaureate degree programs are detailed in the **Graduate Bulletin.**

College of Education and Psychology

Architectural Technology
Business Teacher Education
Elementary Education
Executive Secretarial Studies
General Science Education
General Speech Education
Industrial Arts
Industrial Technology
Library Science
Office Management
Plastics Technology
Psychology
Secondary Education
Social and Rehabilitation Services
Special Education

College of Liberal Arts

Advertising
American Studies
Anthropology
Anthropology and Religion
Audiology
Classics
Communication
Criminal Justice Studies
Economics
Education of the Deaf
English
French
General Speech Education
Geography
German
History
Journalism
Language Disorders
Latin American Foreign Trade and Finance
Latin American Studies
Linguistics
Philosophy
Political Science
Pre-Law*
Public Address
Radio-Television-Film
Religion and Philosophy
Russian
Social Studies
Sociology
Spanish
Speech and Hearing Sciences
Speech Pathology

College of Science

Biology
Chemistry
Computer Science
Data Processing
Environmental Science
Geology
Mathematics
Medical Records Librarian*
Medical Technology
Microbiology
Physics
Plastics Technology
Polymer Science
Pre-Dental*
Pre-Engineering*
Pre-Medical*
Pre-Optometry*
Pre-Pharmacy*
Pre-Physical Therapy*
Pre-Veterinary Medicine*
Science Education
Statistics

School of Business Administration

Accounting-Data Processing
Advertising
Economics
Finance
General Business
Industrial Management
Marketing
Personnel Management
Professional Accountancy
Real Estate and Insurance

School of Fine Arts

Applied Music
- Organ
- Piano
- String Instruments
- Voice
- Wind Instruments

Art
Art Education
Church Music
Dance
Drawing and Painting
Elementary Music Education
Graphic Communication

Instrumental Music Education
Jazz
Keyboard Instrument Education
Music History and Literature
Theatre
Theory-Composition
Three-Dimensional Design
Voice Education

School of Health, Physical Education, and Recreation

Athletic Administration and Coaching
Corrective Therapy
Health and Physical Education
Recreation

School of Home Economics

Child Development
Clothing and Textiles
Clothing Merchandising
Food and Nutrition
General Home Economics
Home Economics Education
Home Economics in Equipment
Institution Management-Commercial
Institution Management-Dietetics

School of Nursing

Nursing

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A detailed analysis of degree programs, majors, and minors is found under the section of this catalog devoted to each specific school or college.

*A baccalaureate degree may not currently be earned in this special program at the University of Southern Mississippi.

B. GENERAL ACADEMIC REGULATIONS

1. Quarter Calendar: The University of Southern Mississippi is on the quarter calendar which means that in one academic year, which begins with the fall quarter and ends with the summer quarter, a student may earn four complete quarters of credits which are awarded in semester hours. A normal quarter is eleven weeks in length and a semester hour of credit represents seventy (70) minutes of class time per week (laboratory periods are normally 140 minutes).

2. Penalties for Late Registration: Registration will continue after the close of the scheduled registration period (see Calendar) for six class days. Beginning at 8:00 A.M. on the seventh day of scheduled class work all registration will cease for that quarter.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is ten dollars ($10.00).

The course load for which one can register will be reduced to nine (9) semester hours beginning with the fourth day of scheduled class work. An exception to this regulation may be made by the appropriate dean. Students registering for the second term of a quarter cannot register for a full load after the second day of the new term.

3. Change of Schedule and Withdrawal from the University. A student may be allowed to drop a course through the 20th class day. A student dropping a course after this deadline will receive a grade of G or H. In rare cases, a dean may permit a student to drop a course after the deadline without penalty if extenuating circumstances exist. A fee of five dollars ($5.00) is charged for a change in registration after the regular scheduled registration period (see Calendar).

A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His record will show

the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade of G (withdrawal passing) or a grade of H (withdrawal failing).

4. Load of Work: The normal student load is nine (9) to thirteen (13) semester hours.

1. Freshmen—not over **13** hours without Dean of School approval. Then, based on ACT score of 25 and other achievement criteria, up to 16 hours. Sixteen hours is the maximum load for freshmen.
2. Sophomores—not over **14** hours without Dean of School approval based on 3.5 GPA. Seventeen hours is the maximum load for sophomores.
3. Junior College Transfers—not over **13** hours without Dean of School approval.
4. Junior and Seniors—not over **15** hours without Dean of School approval. A maximum of 18 hours may be taken if the student has an overall GPA of 3.50.
5. Graduate Students—twelve hours maximum; nine hours if the student holds a one-fourth-time fellowship; six hours if the student is working one-half time.

5. Absences: Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Class attendance policy will be set by the professor. It will be the responsibility of each professor to notify his classes at the outset of each quarter as to the attendance requirements to which each student must adhere. Teachers should report all absences to the Associate Dean of Students. When students are absent because of sickness or other acceptable reason, their professors are so notified by the Associate Dean of Students. An absence on a day immediately preceding or following an official holiday is considered as two absences.

6. Examinations: Examinations will be held on the last three days of each quarter (see Calendar).

During the first term of the summer quarter, the last regularly scheduled meeting of a class will be used for examination purposes for that term's courses.

No final examinations are permitted prior to the scheduled examination period (see Calendar).

A student who is absent from the examination without valid reason approved by the Dean of the University forfeits credit for the quarter. Students will be charged a fee of $3.00 for special examinations unless excused by the appropriate dean.

7. Grading System:

A—indicates very superior work and carries 4 quality points per semester hour.

B—indicates excellent work and carries 3 quality points per semester hour.

C—indicates average work and carries 2 quality points per semester hour.

D—indicates inferior to average work and carries 1 quality point per semester hour.

E—indicates course in progress. Not included in grade point average.

F—indicates failure and carries no quality points. Quality point averages are based on the number of hours undertaken rather than the number of hours passed in determining whether a student meets minimum standards. A grade of F may not be removed by taking an independent study course without the approval of the dean of the appropriate school.

I—indicates an incomplete record. An I becomes an F in the work is not completed within the next twelve months, or, if the student is not in residence during all the next twelve months, within the next quarter of attendance after the expiration of the twelve-month period. A grade of I may not be removed by taking an independent study course without the approval of the dean of the appropriate school. These courses are not counted in students GPA until removed or/if they become a grade of F.

G—indicates withdrawal from a course passing. No student will be allowed to withdraw from a course after twenty (20) scheduled class days except under unusual circumstances approved by the appropriate dean.

H—indicates withdrawal from a course failing.

P—indicates a passing grade in non-credit courses or courses taken on a pass-fail basis.

Note: A faculty regulation provides that except in cases of obvious clerical error, a grade of A, B, C, D, or F may not be changed without permission given by the faculty in regular meeting.

Pass-Fail: Beginning with the Fall Quarter, 1970-1971, students may take courses either on a pass-fail basis or for a grade. Students must exercise their option at the time for registration and may not alter that option after the deadline for schedule changes. Courses elected on a pass-fail basis will be treated in the same manner as independent study and extension work. No more than thirty-six (36) semester hours earned in independent study, extension work, or pass-fail courses, with a limit of eighteen (18) semester hours of pass-fail courses, may be applied toward a degree. No more than twelve (12) semester hours earned from the same department by independent study, extension work, or pass-fail courses may be applied toward a degree. A student may not take a course on a pass-fail basis to remove an F or an Incomplete. Such courses could not be a part of a prescribed degree program, i.e., core requirements, major, or minor, except for physical education courses in the General Core.

Audit: A student who takes a course for audit (non-credit) must meet the class in the same manner as the student regularly enrolled.

Computation of Grade-Point Averages: An undergraduate student will be permitted to repeat courses a total of six (6) times or a total of eighteen (18) semester hours in order to improve his grade-point average. (That is, he may repeat one three-hour course six times, three three-hour courses twice each, six three-hour courses once each, etc.). The six-repeat rule shall include all repeats including junior college or any other college or university work. The first six (6) repeats used shall stand. Other than these "repeats" all credit attempted will be used in computing the grade-point average. This policy became effective with courses taken after September 1, 1967.

Dean's List: Students will be placed on the Dean's List if they have maintained a quality point ratio of 3.25 or above on an academic load of ten (10) semester hours or more, provided they have no grade of D or below.

President's List: Students will be placed on the President's List if they have earned a quality point ratio of 4.0 (all A's) on a load of ten (10) semester hours or more.

8. Academic Standards: The following standards for continuing in residence at the University of Southern Mississippi are in effect as of September 1, 1973.

An undergraduate student will be allowed to continue in the Uni-

versity as long as he maintains the following grade point average on courses attempted at the University of Southern Mississippi:

Total Hours Attempted (Including transfer course)	Required Grade Point Average (On USM credit only)
18 through 24	1.25
25 through 36	1.50
37 through 48	1.65
49 through 60	1.75
61 through 72	1.80
73 through 84	1.85
85 through 96	1.90
97 through 108	1.95
109 and above	1.97
For graduation	2.00

The student will not be placed on probation prior to suspension. He will be suspended for the period following his failure to make the minimum scholastic standards. Notice of suspension will be carried on the end-of-quarter grade report. Total hours attempted will include credit undertaken at the University and credit transferred. The quality point average will involve only courses attempted at the University of Southern Mississippi and will not include transferred credit. Courses in which a student receives an "I" will not be counted in the "total hours attempted."

Appeals for reinstatement by students suspended under this policy will be directed to the department chairman of the college or the dean of the school in which the student is enrolled.

Any student who earns a 0.00 grade point average on nine (9) or more hours for any one term will be automatically suspended regardless of his overall grade point average, and must appeal the suspension in the same manner as the academically suspended student.

The first and second suspension will be for at least one quarter and the third suspension will be permanent. The transcript will only indicate "Academic Suspension" and the date.

Students on academic or disciplinary suspension may not attend any of the extension or resident centers of the University of Southern Mississippi.

9. Memorandum of Credits: A memorandum of credits is a statement available from the Office of the Registrar showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are fifty cents each, except that upon request of the student one copy of the cumulative record will be supplied to the University of Southern Mississippi Placement Bureau without charge.

10. Classification of Undergraduates: A student is classified as a: Freshman when he has less than 27 semester hours of earned credit; Sophomore when he has as many as 27 semester hours and less than 54 semester hours; Junior when he has as many as 54 hours and less than 87 hours; Senior when he has 87 or more semester hours of earned credit.

11. Course Numbering: Freshmen courses are numbered from 100 to 199; sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 or above. Courses carrying numbers below 100 are non-credit courses. Courses taken by extension will carry the prefix E, and by independent study, D. Honors courses carry the prefix H.

The department code number which is used at registration is listed by the department name.

Freshman and sophomore students are not ordinarily permitted to register for upper division courses.

12. Course Sequence and Related Sequences: Certain 100 and 200-level courses may not be taken for credit by a student after he has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in the Course Description Section of this catalog. Selection of the courses, as well as exceptions to the policy, is left to the department chairmen.

13. Credit by Examination: The University of Southern Mississippi will allow students to earn credit by examination under one or more of the following programs, for up to a total of thirty-six (36) semester hours.

Credit earned through the use of the examination will be included in the sixty-four (64) hours "Limitation on Transfer of Credits" rule and may not be used to meet the thirty-two (32) on-campus requirement.

a. **College Level Examination Programs: General Examinations;** The University of Southern Mississippi will allow credit examination to those students who have participated in the College Level Examination Program and have achieved a level acceptable to the University. Credit will be restricted to the more mature student. It would be assumed that a mature student would be a student twenty years of age, or older, who has been out of high school for at least two years. It will be the responsibility of the Registrar's Office to determine a person's eligibility to receive credit. A student with any appreciable college credit may not earn credit through the use of this examination. Credit will be granted for successful completion of the subject area examination in the following manners:

Test I	English 101 and 102	6 hours
Test II	Social Science (Electives)	6 hours
Test III	Science (FS 104 and 106)	6 hours
Test IV	Mathematics (Elective)	6 hours
Test V	Humanities (Electives)	6 hours

For a total of thirty (30) semester hours.

Credit will be awarded to the student who has achieved at the 33rd percentile on the composite score for the overall battery of tests, and any student who scores below the 25th percentile on any one subject area could not receive credit in that area.

b. **College Level Examination Program: Subject Area Examinations;** A student of any age who has not earned college-level credit in the subject area in which he/she seeks credit can take a CLEP subject-area examination for advanced placement and college credit. Credit will be awarded to only those students whose scores place them at the 33rd percentile or above at the Freshman Norm. Under this program, students (except for those enrolled in the School of Nursing) are restricted to a maximum of thirty-six (36) semester hours, with not more than six (6) hours or two (2) courses in one subject-matter area. (It is understood that the thirty-six (36) hour-total includes all credit earned by examination.) The adoption of the CLEP standardized examination will preclude the use of departmental examinations except in those areas where CLEP examinations are not available. The Registrar's Office will be charged with the responsibility for determining student's eligibility to earn credit through these examinations.

Additional information, applications, and CLEP Bulletins can be secured from the Office of Orientation and Advisement, Room 221, Student Services Building.

c. **Advanced Placement Program:** Students from cooperating high schools can earn up to eighteen (18) hours (with no more than six (6) hours or 2 courses in one subject-matter area) through the College Board's Advanced Placement Testing Program. Credit is to be awarded only for grades of 3 and above. The testing program will be administered by the Office of Admissions.

d. **Challenge Examination:** Under the following policy, and with the approval of the Dean of the University, departments may grant credit by examination in lieu of class enrollment, for courses where no CLEP subject area examination is offered.

i. The examination must be given by the department in which the course is offered.

ii. The department chairman must be assured that the student has had some formal or informal learning experience which has prepared him for the examination.

iii. The student must make application to the chairman of the department in which the course is offered. If approval is granted, the student will pay a $10.00 examination fee in the Business Office. The student then presents his receipt to the department chairman who will administer the examination.

iv. If the student passes the examination, a memorandum must be forwarded to the Registrar giving the name of the department, course number, course title, grade, semester hours, and the date the examination was taken and evidence that the examination fee has been paid.

C. GENERAL DEGREE REQUIREMENTS

1. Choice of Catalog: Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation and which carries announcements for a year during which the student earned some credit at the University of Southern Mississippi. A transfer student from a Mississippi junior college may graduate under a catalog which was in force during the time he attended a Mississippi junior college provided the catalog is not more than six years old at the time of the student's graduation.

2. Hour Requirements: An applicant for a degree must complete 128 semester hours, including core requirements and major and minor requirements. Not more than nine (9) semester hours in physical education activity courses, and not more than four (4) semester hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Courses in dance are excluded from this limitation. Of the total of 128 semester hours, sixty-four (64) must be earned in a senior college, and forty-five (45) of the sixty-four (64) must be in courses numbered 300 or above.

3. Quality Point Requirement: A student must earn a quality point ratio of at least 2.0 (an average grade of C) based on all courses undertaken at the University of Southern Mississippi. Grades in independent study courses, extension courses, pass-fail courses, and off-campus workshops do not carry quality points.

4. Hour and Quality Point Requirements for Pre-Professional Degrees: University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or the Bachelor of Arts degree in professional schools of medicine, medical technology, dentistry, or law on the following conditions:

(a) that 92 hours of credit and 184 quality points shall have been completed, with a minimum of three quarters and thirty-two

(32) semester hours of residence at the University of Southern Mississippi;

(b) that all core requirements for the degree shall have been completed;

(c) that credit and quality points shall be transferred back to the University of Southern Mississippi from the school of medicine, dentistry, or law to complete requirements for the degree. A minimum of one year's work must be transferred. In the case of medical technicians, a certificate of graduation from a recognized school of medical technology must be presented. In any case a minimum of 128 semester hours must be completed before the degree can be awarded;

(d) that the program leading to the degree shall be completed within two calendar years of the termination of the last quarter of residence at the University of Southern Mississippi, except that technicians will be allowed three calendar years after the last quarter of residence for the completion of the degree program.

5. Residence Hour Requirement: Limitation on Independent Study Courses: To become eligible for a degree at the University of Southern Mississippi, a student must meet the following residence requirements:

(a) He must earn at least thirty-two (32) semester hours of credit in residence on the Hattiesburg campus of the University of Southern Mississippi.

(b) He must do the last quarter of work (twelve [12] semester hours) on the Hattiesburg campus. Any exception to this regulation must be recommended by the dean of the college or school in which the student is graduating, and must be approved by the Dean of the University.

(c) He must earn at the University of Southern Mississippi at least nine (9) semester hours of credit in his major field.

(d) Military personnel on active duty who are assigned to the University of Southern Mississippi on temporary duty under "Operation Bootstrap" may be permitted to qualify for graduation by completing a minimum of thirty (30) semester hours in residence, provided all other degree requirements are met.

A long-standing regulation provides that students will not be permitted to do independent study while in residence. Students not attending the University during the summer quarter are not considered to be in residence and may enroll in independent study courses without prior approval; however, they should consult with their faculty adviser for assistance in course selections. Exceptions to this regulation can only be made with the approval of the appropriate dean and the Dean of the University. If a student takes an independent study course during his last quarter of attendance, he may not register for an independent study course after he leaves the campus with the expectation of completing requirements for his degree.

6. General Core Requirements: The purpose of the General Core requirement is two-fold: to give all University students a common cultural experience, and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges and schools to build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The General Core requirement, common to all degree programs, is itemized below.

One element of the core must be emphasized here:

Physical Education: Students are required to take two physical education activity courses during the freshman year unless excused from the requirement by the University physician or the dean of his school or college. Students who complete Military Science I or Aerospace Studies are excused from the physical education requirement. Only one physical education activity course may be taken in any one quarter.

THE GENERAL CORE CURRICULUM

English 101, 102	6
Humanities and Fine Arts*	9
Nine hours from the following areas with no more than six hours from any one area: literature, allied arts, history, philosophy.	
Social Sciences*	9
Nine hours from the following areas with no more than three hours from any one area: economics geography, psychology, sociology, political science.	
Mathematics	3
Science*	6
Physical Education or approved substitute**	2
Total	35

Please note that in addition to the General Core Curriculum above, a degree-granting college or school will have additional requirements. These additional requirements are in the introduction to each college and school in the Bulletin.

*For recommendations and requirements in these areas, the student should consult the introduction to the appropriate degree-granting college or school.
For required courses in this area, students should consult the sections of the **Bulletin pertaining to physical education, military science and aerospace studies. Students participating in varsity athletics, Marching Band, Dixie Darlings, or Pom Pon Girls may substitute this for required physical education for one quarter.

7. Exemption from the General Core Requirements: Students may be exempted from any part of the core requirements for any degree on the basis of satisfactory attainment as demonstrated by previous academic record. The granting of exemption does not involve the bestowal of credit; neither does it reduce the total number of hours to be earned for a degree. Its only effect is to increase the number of electives which the student may include in his degree program.

8. Change of College or School: Students wishing to transfer from one college or school of the University to another must make application to and be approved by the dean of the college or school into which they wish to transfer.

9. College and School Degree Requirements: In addition to the General Core requirement, each degree-granting college or school has its own requirements for a particular degree. These requirements are designed to give the student the necessary preparation for completing a major in the particular college or school. The additional upper-level requirements currently in force are itemized in the Colleges and Schools Section.

10. Courses numbered 300 or above: To become eligible for any baccalaureate degree, a student is required to complete a minimum of forty-five (45) semester hours in courses numbered 300 or above.

11. English Proficiency. To become eligible for any baccalaureate

degree, a student must pass a qualifying examination in English proficiency after becoming a junior. It is to the student's advantage to take the examination during the first quarter of attendance after he becomes a junior.

The student who does not pass the English Proficiency Test should enroll the following quarter in English 331 and successfully complete the course.

12. Quality Point Requirement for the Major and Minor: A student must have a quality point average of at least 2.0 (a C) in the major field and in the minor field on courses taken at the University of Southern Mississippi.

A transfer student's work done in the major and minor fields in another institution must average at least 2.0 to be applicable toward the major and minor requirements at the University of Southern Mississippi. If the transferred work does not average at least a C, the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at the University of Southern Mississippi a sufficient number of courses on which grades of D were transferred and thereby raising the grades in those courses to the level required for a C average, or (b) striking from the transferred transcript courses in the major or minor field with grades of D, and taking additional courses in the major or minor at the upper division level to meet the University's degree requirement.

13. Change of Major within a College or School: Any student wishing to change his major within a college or school must secure the approval of the dean.

14. Application for Degree: A student is expected to file an application for a degree at least three quarters before degree requirements are completed and will be accepted no later than mid-term of the quarter preceding graduation. This application filed with the Registrar will show the work completed by the student and the courses planned for the ensuing quarters. Filing three quarters in advance of the proposed graduation date will allow time for checking the application and also allow the student time for making up any deficiencies found in the degree program. After the application has been approved by the Registrar's Office, it becomes the student's official degree program.

No application for degree will be accepted until the degree fee of twelve dollars ($12.00) has been paid at the Business Office.

15. Approval of Faculty: The names of all applicants for degrees are submitted to a vote of the faculty. If this vote is favorable, the President of the University is authorized by the Board of Trustees to grant the degree.

16. Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or with highest honors. The residence requirement for such degrees is not less than five (5) quarters on the Hattiesburg campus with a load of not less than nine (9) semester hours in residence credit each quarter, and totaling not less than fifty-four (54) semester hours of residence credit on the Hattiesburg campus. In computing this residence requirement, one six-week term will be counted as a half quarter when the load is six (6) hours or more. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

17. Second Baccalaureate Degree: The University of Southern Mississippi will grant a candidate a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for

the second degree includes at least thirty-two (32) semester hours with at least sixty-four (64) quality points. The thirty-two (32) semester hours must be related to a specific major separate from the first degree major; and the thirty-two (32) semester hours must be completed after the first degree requirements are met.

E. MINOR REQUIREMENTS

In addition to the major, each student, where the degree program so requires, must also choose a minor (or else a second major). He should select his minor in consultation with his academic adviser. A minimum of eighteen (18) semester hours is needed for the minor, with the quality point requirement as noted in paragraph C-12 above. Male students who complete the Advanced Course in Military Science (ROTC) are allowed to waive the requirement for an academic minor. The work taken in the major may not apply to the minor.

With certain exceptions, any of the areas of specialization or majors indicated above may be selected for the minor. In choosing a minor, however, the student should be guided by the following policies:

A. A student working for a non-teaching degree must establish a minor (18 hours) chosen from the fields listed above as possible majors with two exceptions:

(1) A student may establish a minor for the non-teaching degree in general science by offering twenty-seven (27) hours from two or more appropriate fields (biology, chemistry, geology, mathematics, and physics), provided he offers at least nine (9) hours from each field he chooses to include.

(2) To establish a minor in any field, a student must earn at least nine (9) hours above the core requirements in that field.

B. A student working for a teaching degree in secondary education necessarily establishes a minor in secondary education.

Since many high schools in Mississippi require teachers to teach in more than one field, it is recommended that students working for secondary education certification plan their electives so as to meet certification requirements in some subject field in addition to their major.

COLLEGES, SCHOOLS, AND DIVISION

George Robert Olliphant University Honors Program

University Center for Health Related Sciences

School of Business Administration

College of Education and Psychology

School of Fine Arts

School of Health, Physical Education, and Recreation

School of Home Economics

College of Liberal Arts

School of Nursing

College of Science

Division of Extension and Public Service

THE GEORGE ROBERT OLLIPHANT UNIVERSITY HONORS PROGRAM

William H. Hatcher, Director

Wallace G. Kay, Curriculum Director

The George Robert Olliphant University Honors Program, currently enrolling over one hundred students, attempts to stimulate and to satisfy the superior student by providing (1) special sections in general education courses required of all students, (2) a four-year Honors Colloquium, (3) opportunity for individual study during the junior and senior year, and (4) a limited number of financial grants.

Honors graduates receive the distinction, written on their diplomas, of being Honors Program Graduates in the departments of their majors. If their academic average is high enough, they also receive the distinction **summa cum laude** (3.8 overall average) or **magna cum laude** (3.5 overall average), based on a 4.0 point average as a perfect record of all A's.

BASIS FOR SELECTION

To be eligible for application to the George Robert Olliphant University Honors Program, beginning students must meet the following minimum requirements:

High School Average of 80
American College Test Composite of 25
Personal interview with University Honors Council representatives
A satisfactory extemporaneous essay
Rating by principal and two teachers

Transfer students and other students already enrolled in the University must present a 3.0 overall average to be considered for the program.

In addition to the courses listed under **Honors Program** in the Course Description Section, members of the Honors Program may also take the following courses: Biology H101, H102; Gen H382; History H102; Political Science H101; English H101, H200, H201, and H202; Sociology H101; Psychology H201.

THE UNIVERSITY CENTER FOR HEALTH RELATED SCIENCES

William G. Brundage, Director

Executive Council: Bain, McCarthy, Mehearg, Rhodes, Yarbrough

PURPOSES AND RESPONSIBILITIES

The University of Southern Mississippi Center for Health Related Sciences (CHRS) is an innovative educational and clinical complex designed to provide health related services and academic training. Its purposes and responsibilities are:

1. to provide education and training for:
   a. University students seeking degrees in one of the health related fields; and
   b. practicing professionals or paraprofessionals who wish to gain further knowledge or experience in a specific or broad interdisciplinary clinical program on a continuing basis;
2. to provide certain health related services not presently available to the University community, the local community, the State of Mississippi, and surrounding states, and to supplement existing services; and
3. to provide a proper setting for conducting applied and pure research in health related disciplines.

AFFILIATED PROGRAMS

Clinical Psychology. See College of Education and Psychology.
Family and Life Services. See School of Home Economics.
Food and Nutrition (Dietetics). See School of Home Economics.
Medical Genetics. See College of Science.
Medical Records Librarian. See College of Science.
Medical Technology. See College of Science.
Nursing. See School of Nursing.
Social Work. Contact the Dean of the Graduate School.
Speech and Hearing. See College of Liberal Arts.

AFFILIATED HOSPITALS

Ellisville State School, Ellisville, Mississippi
Forrest County General Hospital, Hattiesburg, Mississippi
Memorial Hospital, Gulfport, Mississippi
Methodist Hospital, Hattiesburg, Mississippi
Singing River Hospital, Pascagoula, Mississippi

SCHOOL OF BUSINESS ADMINISTRATION

Joseph A. Greene, Jr., Dean
H. O. Jackson, Assistant Dean

PURPOSE

Rapid technological change, the increasing complexity of society, and the growing role of government in business, economic, and social affairs are placing new requirements on the administrators throughout the country whether they are employed in business, government, or non-profit organizations.

The School of Business Administration is constantly changing the content of its courses and its curricula with the objective that it will assist its students in achieving the proper education to reach their maximum potential after graduation. The young men and women who study in the School are provided with the opportunity for a liberal education as well as professional training. They are prepared to be flexible in their thinking and adaptable to change as well as knowledgeable in their chosen fields. Thus they are given help in preparing not only for careers, but also for satisfactory lives and as constructive citizens.

ORGANIZATION AND OPERATION

Academic Departments

The School of Business Administration is divided into the academic departments of Accounting, Economics, Finance, Management, and Marketing. Each department offers more than one major so a student interested in a particular area should examine the alternative majors to select the one which suits him best.

Whatever major is chosen the student pursues practically the same curriculum except for the major course requirements. Thus, it is possible for a student to change his major, if he has a change in interest, without a loss of time until his senior year. Upon completion of all requirements, he is awarded the degree of Bachelor of Science in Business Administration.

The Department of Economics offers the Bachelor of Arts degree in the College of Liberal Arts as well as the Bachelor of Science in Business Administration.

Office of the Dean

The Office of the Dean of the School of Business Administration is the chief administrative office through which the student will come if he wishes to withdraw from the University, have exceptions made in his academic program, is suspended for academic reasons, or has problems he wishes to discuss.

Under the Dean is the Coordinator of Graduate Studies who accepts and processes all applications for the graduate program.

Bureau Of Business Research

The functions of the Bureau of Business Research are designed to complement the overall program and objectives of the School of Business Administration. Specific functions included are to: provide an administrative framework for research projects; provide a source of support for, and flexibility of approaches to, research by faculty members (including Bureau staff); publish research reports; provide a readily identifiable point of contact for business, industry, and government relative to research and services in the areas of business and

economics; provide for the development and execution of service programs; and maintain a framework to assist in the education and training of students.

STUDENT PROCEDURES

Admission

High school graduates who are interested in the field of business and who are admitted to the University of Southern Mississippi as beginning freshmen will be admitted directly to the School of Business Administration.

Students desiring to transfer from another school or college in the University must be in good academic standing and must bring to the Office of the Dean a transcript. Indication that the student will succeed in his work is necessary.

Transfer students from other four-year colleges or universities are admitted directly to the School upon admission to the University.

Transfer students from junior colleges are especially welcome to the School. A junior college student intending to come to the University should concentrate on completing his requirements as listed below in Basic Curriculum Outside School of Business Administration. He should limit his courses in business to principles of accounting and principles of economics. The School will not accept as meeting curriculum requirements business courses which are taught at the junior college but which are taught here at the junior or senior level. Courses which are designed by the junior college as technical training courses may not be used in meeting degree requirements. It is imperative that the student pay particular attention to the requirements in mathematics.

Advisement

Upon admission to the School, the student is assigned an adviser by the Office of the Dean. His adviser will be his department chairman or someone designated by the chairman who will approve his schedule each quarter, provide counsel when necessary, and sign his application for degree as the first step toward meeting degree requirements.

Continuation

While in the School the student must maintain the quality point average prescribed for his number of hours undertaken as designated under University regulations or face academic suspension. If suspended, the student may make application for reinstatement through forms provided in the Office of the Dean. His application is acted upon by the Reinstatement Committee which reviews these applications the day prior to the registration period of each quarter and interviews those students who are denied reinstatement and wish to appeal.

Graduation Requirements

For graduation the student should file his application for degree two quarters in advance of his anticipated quarter of graduation, and no later than the quarter prior to the graduation quarter. The application form with instructions is to be picked up in the Office of the Dean or the Office of the Registrar. The degree application does not become a formal type of contract with the student for graduation until it has been thoroughly checked for all requirements by the degree clerk of the School in the Registrar's Office and approved by the Dean. Any changes requested on the application after its acceptance must come from the Office of the Dean.

To meet graduation requirements the student must meet all requirements of his curriculum and have a 2.0 average overall, in his

major requirements, and in the School of Business Administration. He must have a minimum of fifty-two (52) semester hours in the School of Business Administration as well as a minimum of fifty-two (52) semester hours in the Colleges of Liberal Arts and Science. Health 101 and courses in psychology may be used toward meeting the last requirement, but military science and physical education activity courses cannot be used. Total hours required for graduation are 128.

Placement

The School cooperates with the University Placement Bureau in assisting its graduates in finding positions. The student is expected to establish a file with the Bureau three quarters before graduation to avail himself of the opportunities to be interviewed or contacted by the many businesses and governmental bodies interested in business graduates.

Student Organizations and Student Assistance

The School promotes several professional and honorary societies for students in order to foster fellowship and scholarship among those with similar interests. These organizations are: Alpha Epsilon Alpha, professional fraternity in accounting; Delta Sigma Pi, professional fraternity for men in all areas of business; Omicron Delta Epsilon, honorary society in economics; Rho Epsilon, professional fraternity in real estate; Society for Advancement of Management, professional fraternity in management; and U.S.M. Chapter-American Marketing Association. Representatives from these fraternities and other students constitute the Business Student Advisory Council which works closely with the Dean in several projects.

There are several scholarships available exclusively for students in the School of Business Administration as well as many others for which business students may apply. Any inquiry should be addressed to: Director of Student Aid and Scholarships, Southern Station, Box 101, Hattiesburg, Mississippi 39401.

BASIC CURRICULUM OUTSIDE SCHOOL OF BUSINESS ADMINISTRATION

The business graduate, though career oriented, must live and work in a changing society which will continually offer him personal and business challenges. Business leaders must have a background which makes them cognizant of the past, articulate in many subjects, and adaptable to change. After much deliberation the faculty of the School has adopted the following courses from the arts and the sciences to give the business student the background upon which he will then add his knowledge of basic business tools and specialized subjects.

It may be observed that the courses include primarily those at the freshman and sophomore level. Unless specified as such the student may choose to substitute junior and senior level courses if they are of particular interest to him.

Courses	Hours
English 101, 102 (Freshman English)	6
Social Science (geography or political science)	3
History (101, 102 or 140, 141 are recommended)	6
*Mathematics 101, 112 (algebra)	6
Public Address 111 (or advanced course)	3
Science (biology, chemistry, fundamentals, geology, physics)	6
Humanities (literature, allied arts, philosophy, foreign language)	9

Behavioral Science (anthropology, psychology, sociology)	6
**Mathematics or Science Elective	3
***Liberal Arts Elective (or Health 101)	3
Physical Education or ROTC/AFROTC or approved substitute	2 or 3
	53 or 54

*Accounting—Data Processing majors will substitute Mathematics 103 and 171. Professional Accountancy and economics majors will substitute Economics 275 for Mathematics 112.
**All majors in accounting must choose mathematics as the elective.
***The advertising major must take JOU 331 and 332.

BASIC CURRICULUM WITHIN THE SCHOOL OF BUSINESS ADMINISTRATION

The following business courses are required of all students in the School regardless of major. They provide the student with his basic business tools which he will use for advanced courses as well as a broad understanding of the entire area of business and of the economy in which business operates.

Courses	Hours
Accounting 201, 202—Principles of Accounting	6
Economics 255, 256—Principles of Economics	6
Finance 290 or CSS 240—Business Data Processing	3
*Finance 295—Business Law I	3
**Accounting 300—Administrative Accounting	3
Marketing 300—Principles of Marketing	3
Economics 301 or CSS 211—Statistics	3
***Economics 302—Statistics II	3
Economics 330—Money and Banking	3
Economics 360—Principles of Management	3
Finance 389—Business Finance	3
Management 485—Administrative Policy	3
	42

*Professional Accountancy majors must also take Finance 311, **Business Law II.**
**All accounting majors will delete this course and go directly into Accounting 301.
***Accounting-Data Processing majors will delete this course.

DEPARTMENT OF ACCOUNTING (ACC—605)

Jerold J. Morgan, Chairman
H. Anderson, S. Carpenter, Cummings, Dear, Estes,
J. Everett, Jackson, Kenamond, McDuff, Torres

Two programs are offered by the Accounting Department. The first is intended to prepare students for professional positions in industry, government or public accounting, and to provide a firm foundation for those students planning to do graduate work in accounting. This program includes all the courses necessary to sit for the certified public accountants examination. The second program is offered jointly with the Department of Computer Science and Statistics, and is directed more specifically to the needs of students who are planning careers in business data processing or accounting systems. The requirements of the two programs are set out below and are entitled "Professional Accountancy" and "Accounting—Data Processing" respectively.

Students wishing to minor in accounting should take the following courses: Accounting 201, 202, 301, 302, and three advanced accounting courses.

Major—Professional Accountancy

	Hours
Accounting 301—Intermediate Accounting I	3
Accounting 302—Intermediate Accounting II	3
Accounting 320—Elementary Cost Accounting	3
Accounting 330—Federal Income Tax I	3
Accounting 401—Advanced Accounting I	3
Accounting 402—Advanced Accounting II	3
Accounting 420—Advanced Cost Accounting and Budgeting	3
Accounting 409—Auditing	3
Accounting 405—Current Accounting Theory and Research	3
Accounting Electives	3

Major—Accounting-Data Processing

	Hours
Accounting courses as listed below:	
Accounting 301—Intermediate Accounting I	3
Accounting 302—Intermediate Accounting II	3
Accounting 320—Elementary Cost Accounting	3
Accounting 330—Federal Income Tax I	3
Accounting 409—Auditing	3
Accounting 450—Accounting Systems	3
Computer Science courses as listed below:	
Computer Science 320—Introduction to Linear Programming Techniques	3
Computer Science 340—Advanced Fortran Programming	3
Computer Science 341—Digital Computer Programming	3
Computer Science 342—Introduction to COBOL Programming	3
Computer Science 460—Computer Software I	3
Computer Science 480—Data Processing and File Management	4

DEPARTMENT OF ECONOMICS (ECO—610)

Jack C. Wimberly, Chairman

Black, Cameron, Cartee, Greene, Housley, E. Lewis, Li, McQuiston, Whitesell, D. C. Williams

The major curricula in economics are intended to prepare students for positions as economists in education, business, and government. The recommended minor in economics constitutes a systematic study of the economic environment in which we live. A few advanced courses have been designed to provide appropriate instruction in economics to students in other major fields; and several comprehensive introductory courses may be taken by those who are interested in economics in a less formal way.

The recommended minor in economics outside the School of Business Administration consists of Economics 255, 256, 301, 310, 330, 340, and 345.

Major—Economics (Bachelor of Science Degree)

	Hours
Economics 340—Price Theory	3
Economics 345—Income Theory	3
Economics (Electives)	15

Major—Economics (Bachelor of Arts Degree)

The degree of Bachelor of Arts in Economics is granted by the College of Liberal Arts. The Department of Economics requirements are listed here.

Departmental Requirements

	Hours
Major in Economics*	27
Economics 301—Elementary Statistics I	3
Economics 302—Elementary Statistics II	3
Economics 330—Money and Banking	3
Economics 340—Price Theory	3
Economics 345—Income Theory	3
Economics (Electives)	12

*Students considering graduate work in economics should consult frequently with department advisers and are urged to take some mathematics courses beyond the minimum core requirements.

Major—Latin-American Foreign Trade And Finance

See major in Latin American Foreign Trade and Finance under Latin American Studies in the College of Liberal Arts.

DEPARTMENT OF FINANCE (FIN—615)

Louis K. Brandt, Chairman

Clements, Dennis, Hamwi, Jordan, King, Sirmon, West

This department offers major fields of study in three areas: Finance, General Business, and Real Estate and Insurance. The policy of the department is to stress education in the selection and handling of tools for problem-solving, analysis, and decision-making in each of the three areas of study. An approach of this kind is premised on the belief that the best qualification for administering business in the three areas is a mind disciplined to identify and analyze administrative issues and to make decisions at all levels of management.

The offerings in the Finance Department qualify the student for entering administrative training programs of financial and non-financial institutions. It is recommended that finance majors with a special interest in banking take Finance 355, **Problems in Bank Administration,** as well as the first course, Finance 350, **Bank Administration.** Offerings in general business necessarily cut across several segments of the business curriculum including economics, finance, management, and marketing, thus opening the door to a somewhat wider range of job opportunities. Offerings in real estate and insurance are, by contrast, more specialized, being designed essentially for the person interested in selling, risk management, and property and agency management, as they relate to the insurance and real estate industries.

The W. Parham Bridges Chair in Real Estate is in this department and has enabled the department to raise the standards of academic work and to bring about a closer working relationship with the real estate industry in the State of Mississippi.

The student who wishes to further his education may work for the master's degree with an emphasis in finance. This will strengthen his qualifications for higher-level administrative positions in business and will also open new doors to teaching, research, and graduate work at the doctoral level.

The department has a recommended minor for non-business majors which requires Economics 255 and 256, Finance 415, and four electives in one or more of the three areas: Finance, General Business, and Real Estate and Insurance.

Major—Finance

	Hours
Finance 325—General Insurance	3
Finance 350—Bank Administration	3
Finance 352—Investment Finance	3
Finance 375—Managerial Communications	3
Finance 462—Security Analysis & Portfolio Planning	3
Finance 472—International Business Finance	3
Finance 480—Financial Management	3
Electives in Department of Finance	6

Major—General Business

		Hours
Major requirements as listed below		27
Economics—Two courses numbered 300 or above	6	
Finance—Finance 375 (Managerial Communication) and Finance 480 (Financial Management) and one other 300 or above course	9	
Management—Management 364 (Personnel Management) or Management 454 (Human Relations) and one other 300 or above course	6	
Marketing—Marketing 480 (Marketing Management) and one other 300 or above course	6	

Major—Real Estate and Insurance

Students majoring in real estate and insurance are required to take the two basic courses in real estate and insurance: Finance 325 (General Insurance) and Finance 330 (Real Estate Principles), and Finance 375 (Managerial Communications). Then select a minimum of six courses from the following to complete twenty-seven (27) hours.

		Hours
Finance 325—General Insurance, Finance 330—Real Estate Principles, Finance 375—Managerial Communications		9
Elect minimum of six courses from following eight:		
Finance 326—Introduction to Actuarial Science	3	
Finance 425—Life Insurance	3	
Finance 430—Real Estate Law	3	
Finance 432—Real Estate Finance	3	
Finance 434—Real Property Valuation	3	
Finance 436—Property Management	3	
Finance 445—Property and Liability Insurance	3	
Finance 450—Health Insurance	3	

DEPARTMENT OF MANAGEMENT (MGT—620)

Martin Stegenga, Chairman

Bracey, J. L. Davis, Gottleber, V. Hill, R. Moore, Sanford, Sweat

The program of study in management has three objectives: (1) to provide students with concepts, knowledge, and skills required in the effective management of profit-making enterprises, government institutions, and non-profit service organizations; (2) to prepare the student for employment which will lead to positions of managerial responsibility; and (3) to make available to students pursuing technical, educational, and professional careers training in general management to apply in their specialized fields.

Students interested in management have the option of majoring in either industrial or personnel management. The industrial management option places emphasis on manufacturing and production problems such

as product engineering, manufacturing methods and equipment, plant layout, production planning, and quality control. The personnel management option emphasizes the human problems of administration including union-management relations, manpower development, compensation, and managerial communications.

Careers in management are available in industry, government, service organizations, and teaching. Beginning employment opportunities for which the management graduate is trained include such jobs as line supervisor, production scheduler and dispatcher, time study man, employment interviewer, training supervisor, and management trainees. His broad education and training will, when coupled with additional maturity and experience, serve to further his career in more responsible management positions, such as production or plant manager, labor relations director, or personnel administrator.

The recommended minor in management for a non-business major is Economics 255 and 256, Management 360, and four courses in the Management Department.

Major—Personnel Management

	Hours
Management 364—Personnel Management	3
Management 370—Labor Law and Legislation	3
Economics 365—Economics of Labor	3
Finance 375—Managerial Communications	3
Management 454—Human Relations	3
Management 456—Industrial Training	3
Management 468—Wage and Salary Administration	3
Management 472—Collective Bargaining	3
Management 484—Problems in Personnel Administration	3

Major—Industrial Management

Management 362—Introduction to Industrial Management	3
Management 386—Industrial Safety	3
Finance 375—Managerial Communications	3
Management 464—Motion and Time Study	3
Management 466—Production and Quality Control	3
Management 468—Wage and Salary Administration	3
Management 476—Managerial Systems Analysis	3
Management 482—Production Problems Seminar	3

DEPARTMENT OF MARKETING (MKT—625)

Richard C. Vreeland Chairman

Ivy, Schoell, T. Smith, Stevens

There are three basic functions performed by any business organization: marketing, production, and finance. The goal of the Department of Marketing is to train students to fill competently positions as managers of the marketing function. It is necessary, therefore, that the student not only learn the subject of marketing but that he also master certain executive skills, of which ability to think is usually considered the most important. Other attributes of significance are the ability to: (1) solve problems; (2) communicate orally and in writing; (3) understand and work with people.

The context of marketing courses provides the student with a basic knowledge of marketing principles and techniques. The method used in teaching the material enables the student to develop the skills necessary to utilize this knowledge after graduation.

Marketing majors can gain employment in the field of retailing as store managers, buyers, and owners of their own store. Others work as salesmen, market managers, and researchers—after additional graduate training. The specific opportunities number in the hundreds since more than half of all people gainfully employed work in the marketing of goods and service.

Students majoring in advertising take a more specialized program than the marketing major to prepare them for the exacting requirements of an advertising career. Advertising graduates are employed as account executives, copy writers, promotional managers, and advertising managers for smaller firms.

For a student not majoring in the School of Business Administration, a minor in marketing can be earned by completing twenty-one (21) hours of courses in the following recommended sequence:

1. Economics 100, and Marketing 300
2. Marketing 330, 342, and 355 (select any two)
3. Marketing 430, 442, or 455 (select one)
4. Any two marketing electives

Students in the department may major in either marketing or advertising by completing one of the following programs:

Major—Marketing

	Hours
Marketing 332—Marketing Problems	3
Marketing 424—Marketing Research	3
Marketing 428—Marketing Management	3
Marketing 430, 442, or 455 (select one)	3
Marketing Electives	12

Major—Advertising

(This is an interdisciplinary major offered jointly by the Department of Marketing and the Department of Communication, College of Liberal Arts.)

	Hours
Marketing 322—Marketing Problems	3
Marketing 342—Principles of Retailing	3
Marketing 355—Principles of Advertising	3
Marketing 365—Consumer Behavior	3
Marketing 424—Marketing Research	3
Marketing 458—Promotion Development	3
Radio-TV-Film 311—Radio Production	3
Radio-TV-Film 326—Television Production	3
Radio-TV-Film 472—Radio and Television Advertising and Writing	3
Communication 431—Advertising Management and Sales	3

COLLEGE OF EDUCATION AND PSYCHOLOGY

Eric M. Gunn, Dean

Walter E. Cooper, Assistant Dean

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education. All undergraduate programs in teacher education are fully accredited by the National Council for Accreditation of Teacher Education (NCATE). For details of graduate teacher-education programs, consult the **Graduate Bulletin.**

PURPOSES

The purposes of the College of Education and Psychology are: (1) to prepare teachers for the public schools and the colleges and universities; (2) to offer non-teaching degree programs on the undergraduate level in library science, architectural technology, industrial arts, office management, executive secretarial studies, psychology and social and rehabilitation services (for graduate level non-teaching degree programs consult the **Graduate Bulletin**); (3) to provide clinical and professional services to the public schools of Mississippi and to the University; and (4) to promote educational and psychological research.

These purposes are achieved through: (1) the work of the various departments in the College; (2) clinics and offices for professional services; (3) cooperation with the public schools; and (4) cooperation with other colleges and schools of the University in the development of teacher-education programs that meet requirements for Mississippi certification and NCATE approval.

ADMISSION REQUIREMENTS

Any student who satisfies admission requirements to the University of Southern Mississippi through the Office of Admissions is eligible for admission to the College of Education and Psychology.

An Application for Admission (Form A7) must be approved by the Dean of the College of Education and Psychology and be filed in this office.

The above criteria for admission applies to any beginning freshman student, any transfer student from within the University of Southern Mississippi, and any transfer student from another college or university.

Admission to the College of Education and Psychology **does not** constitute admission to a teacher education program nor to a non-teaching major program. Program planning and proper advisement must be completed to gain admission to both Teacher Education Programs and Non-Teaching Programs.

Regular status in the College of Education and Psychology is maintained by meeting the quality point requirements for hours completed as designated by the general University requirement and evaluated by the Registrar's Office.

Criteria for Admission to Teacher Education Programs

All applicants for admission to a program leading to teacher education certification must be approved by the **Screening Committee.**

Freshmen and sophomores who have indicated a desire to pursue a Teacher Education Program will be notified at the proper time for filing the Program-Plan Teaching Form.

Application for admission to a teacher education program is accomplished by:

1. Obtaining the Program Plan-Teaching Form (Ed 8a) from the College of Education and Psychology Dean's Office
2. Properly filling out this form with the major adviser and help of an education adviser.
3. Having this form checked and turned in to the designated adviser in the Department of Curriculum and Instruction.
4. Having the Curriculum and Instruction adviser forward the Program Plan-Teaching to the Dean's Office, College of Education and Psychology.

On receiving the required forms this Dean's Office will initiate a file on the student.

Once this sequence is accomplished successfully, a *T.E.* should be evidenced each quarter on the Registration Appointment Form. This symbol indicates to all advisers involved that an approved program plan for teaching certification has been checked and filed in the College of Education and Psychology Dean's Office.

Criteria which must be met for tentative approval include the following:

1. An overall 2.0 grade point average.
2. At least a C average in first year English. (If this is not met, English 332 is required.)
3. Acceptable physical health status.
4. Emotional stability.
5. Satisfactory personal characteristics.
6. Never have been convicted of a felony.

The above criteria are rated (yes, no, or doubtful) on the initial interview by the education adviser. Each applicant whose credentials satisfy the above criteria for general screening will be referred to the selected major department sub-committee for additional screening. A computer listing of all students working toward teacher certification (compiled by utilizing the T.E. symbol on the Registration Appointment Form) is sent twice a year to each major department involved in teacher education programs. The departmental sub-committee either endorses these students or may refer, in writing, any student to the Screening Committee for further screening action. Thus the Screening Procedure is a continual process throughout a student's program. The decision of the sub-committee will be reported to the Screening Committee.

The Screening Committee will give final approval or disapproval of the applicant to pursue a teacher education program and notify the department chairman. If an applicant is not approved or is screened out at any point, an appeal may be made to the Screening Committee for further evaluation.

TEACHER-EDUCATION PROGRAMS AND REQUIREMENTS

One of the primary functions of the College of Education and Psychology is that of coordinating the teacher education programs for the University. The following objectives were formulated to carry out adequately this function:

1. Attract those students who desire to make teaching a career.
2. Acquaint prospective teachers with all phases of the profession through the tutelage of a competent college staff.
3. Provide programs of basic studies and preteaching activities which will insure a minimally acceptable level of teaching knowledge and skill in an area of specialization within each student.
4. Make available to students the educational resources and supportive services needed to complement their instructional program.
5. Maintain a continuous counseling service which will help to

guide students in the proper selection of courses for their personal and professional development.

6. Sustain an orderly system of selecting and retaining those individuals who perform at or above those standards required by the Teacher Education Council.
7. Encourage both instructors and students in the various classes to visit and observe local schools in day-to-day operations.
8. Study, screen, and assign students to school classrooms where qualified teachers can provide certain pre-teaching experiences.
9. Aid students in obtaining state certification in their area or areas of specialization.
10. Help students make appropriate career decisions.
11. Provide prospective employers with proper information regarding the student's performance at the University.
12. Utilize a system of follow-up on each student's performances as a classroom teacher.
13. Make staff members available to local school inservice programs which are designed especially for staff and/or curriculum improvement.

Students pursuing teacher certification in any area must have an approved Program Plan-Teaching Form (Ed 8a) on file in the Dean's Office, College of Education and Psychology.

Students enrolling in the College of Education and Psychology to seek a teaching degree must complete the general and professional requirements which are detailed in the Curriculum and Instruction Section of the catalog.

Students preparing to teach must choose a teaching area from one of the following:

Early Childhood Education (K-3)
The Middle Grades (4-8)
Comprehensive Elementary Education (K-8)
Secondary Education (High School)
Special Areas (see below)

To prepare for a career in secondary education the student will major in an academic area and fulfill the general and professional requirements listed under the Secondary Education Section which follows.

The academic majors available for certification in secondary education are:

Biology	History*
Business Education	Home Economics**
Chemistry	Industrial Arts
	Journalism
Economics*	Library Science
English	Mathematics
French	Physics
General Science	Political Science*
General Speech	Psychology
Geography*	Social Studies*
German	Sociology*
Health and Physical Education	Spanish

*It is recommended that a student who is planning on teaching the social sciences select social studies as a major. This major prepares a student to teach all the subjects included in the social studies program (see section of **Bulletin** describing this program). However, students majoring in economics, geography, history, political science, or sociology and minoring in secondary education may be certified to teach social studies by the State of Mississippi if their degree program includes the following courses: world history—6 semester hours; American history—6 semester hours; Mississippi history—3 semester hours; economics—6 semester hours; political science—6 semester hours; geography—6 semester hours; sociology—3 semester hours.

**Home economics majors will enroll in the School of Home Economics but will also apply to the College of Education and Psychology for approval of their secondary education teaching program.

Students are required to take physical education activity courses during the freshman year. Freshman students may elect ROTC/AFROTC I in lieu of the physical education requirement. Students participating in varsity athletics, marching band, Dixie Darlings, or Pom Pon girls may substitute this for required physical education for one quarter. Persons with military experience and holders of AA degrees are exempt from physical education activity courses.

The special areas in which teacher-education programs are available, grades one through twelve, are:

College of Education and Psychology

Audiology***
Language Disorders***
Library Science
Special Education
Speech Pathology***

School of Fine Arts

Art Education
Music Education

***Curricula for the audiology, language disorders, and speech pathology majors will be found in the Department of Speech and Hearing Sciences of the College of Liberal Arts. Any student preparing to become a special areas teacher in one of these major fields will enroll in the College of Education and Psychology, and will then be assigned to the Department of Speech and Hearing Sciences for courses in the major. The teaching degree will be awarded by the College of Education and Psychology.

TEACHING DEGREES

The student preparing to teach will normally pursue the Bachelor of Science degree which is offered in the College of Education and Psychology. It is permissible for a student to graduate from any school that offers a teaching major if the student so prefers. However, all students who desire to become teachers must apply for admission to the Teacher Education program in the College of Education and Psychology and be screened according to the preceding procedure for admission to the program.

COLLEGE OF EDUCATION AND PSYCHOLOGY REQUIREMENTS FOR TEACHING DEGREE

The requirements of the College of Education and Psychology consist of courses essential to certification and institutional endorsement. These requirements vary for elementary and secondary education degree candidates. **The National Teachers Examinations are required of all candidates for the teaching degree.**

ELEMENTARY EDUCATION

Students preparing to teach in the elementary schools may take a program designed for certification at the kindergarten-primary level (kindergarten through grade three), the middle grades (four through eight), or comprehensive elementary certification (kindergarten through grade eight). The programs consist of general education requirements, professional requirements, and areas of emphasis. This program is designed to meet the revised Mississippi Certification Requirements, effective September, 1972. Advisers will assist those who are working under earlier catalogs in adapting their programs to these requirements should this be necessary.

General Education: All students majoring in elementary education regardless of the level must complete the program outlined under this section as well as the section entitled "Common Professional Requirements K-3 and 4-8."

	Hours
English 101, 102 and two (2) other English courses 200 level or above	12
History 101 and 102 or 140 and 141	6
Social Sciences	6
Elect two of the following: Political Science 101, Sociology 101, Geography 103, Economics 200, Anthropology 212	
Science	12
Six hours of physical science and six hours of biological science are recommended although three hours in either area with nine hours in the other area are acceptable. Fundamentals of Science 104, 105, 106, and 107 are acceptable.	
Psychology 110	3
Mathematics 210 and 310	6
Public Address 111	3
Health 101	3
Physical Education or ROTC/AFROTC	2
Total	53

Common Professional Requirements K-3 and 4-8

	Hours
EPY 370—Child Psychology	3
EPY 374—Educational Psychology	3
CIE 309, 412—Reading	6
ARE 107, 309—Introductory Art, Elementary School Art	6
MED 361, 362—Music for Elementary Teachers	6
SCE 432—Science for Elementary Teachers	3
CIE 306—Language Arts	3
CIE 317—Literature for Children	3
CIF 300—Public Education in the U. S.	3
CIF 416—Audiovisual Education	3
CIF 469—Tests and Measurements	3
CIE 301—Methods and Materials in Arithmetic	3
CIE 305—Social Studies in the Elementary Grades	3
Total	48

Special Professional Requirements K-3

Those students desiring to teach at the **K-3** level will also complete the courses under this section.

	Hours
CIE 311—Reading	3
CIE 403—Kindergarten-Primary Education	3
*CIE 480, 425—Student Teaching and General Methods	12
Total	18

Special Professional Requirements 4-8

Those students desiring to teach at the **4-8** level will also complete the courses under this section.

	Hours
CIE 312—Reading	3
*CIE 482, 343—Student Teaching and General Methods	12
Total	15

*Students desiring comprehensive certification (K-8) will take only one student teaching sequence. All other requirements for both K-3 and 4-8 must be met for comprehensive certification.

Electives

K-3	9
4-8	12
K-8	6

Areas of Concentration for Certification

Mississippi certification regulations provide that K-3 certification include one "area of concentration" and that 4-8 certification include two "areas of concentration." The K-3, 4-8, and K-8 programs at the University of Southern Mississippi have a built-in concentration in **reading. Students seeking certification in 4-8 or K-8 must acquire at least one additional concentration. Additional concentrations may be acquired by fulfilling the following requirements:**

	Hours
Social Studies—Any social studies course	3
Science—SCE 453, 454, 455, or CIF 430	3
English—ENG 401 and one (1) of the following: 324, 340, 350, 371, 372	6
Mathematics—MAT 341 or 410	3
Library Science—LS 301, 415, 416, 427, and 462	15
Speech—Any three (3) of the following: PA 210, 324, 330, SHS 431, 433	9
Art—Any three (3) of the following: AA 100, ART 101, 111, ARE 310	9
Music—Any two (2) of the following: MUS 101, 102, MED 311	6
Health and Physical Education—A total of ten (10) semester hours chosen from the following: HTH 311, 410, PE 284, 320, 321, 450	10
Exceptional Children	
Mental Retardation—SPE 400, 402, 411, 440, 441	15
Learning Disability—SPE 400, 402, 411, 430, 431	15

SECONDARY EDUCATION

As noted previously, the student preparing to teach at the secondary school level takes an academic major in a subject-matter field. As shown below, there are also certain general and professional requirements which the student must fulfill. The professional requirements listed below serve as the student's minor. In summary, the student completes an academic major, fulfills the general and professional requirements, and selects the necessary electives to complete his degree program.

General Requirements

	Hours
English 101, 102 and two (2) other English courses 200 level or above	12
Allied Arts 100	3
Health 101	3
Science	12
Biological Science—6 hours (minimum)	
Physical Science—6 hours (minimum)	
Science majors must take laboratory science in both areas and should see requirements for majors in the sciences. Non-science majors may take Fundamentals of Science 104, 105, 106, and 107.	
Mathematics (any three semester hour course)	3
History 101, 102, or 140, 141	6
Social Science	6
Elect two courses from the following for 6 hours: Economics 200, Sociology 101, Geography 103, Philosophy 151, Political Science 101, Anthropology 212.	
Public Address 111	3
Psychology 110 or Reading—CIS 310	3
Physical Education or ROTC/AFROTC	2

Professional Requirements

	Hours
Educational Foundations—CIF 300, 469	6
Educational Psychology—EPY 372, 374	6
Secondary Education—CIS (special methods course), CIS (student teaching), and CIS 313*	15

*See student teaching, page 96.

Requirements to Teach Social Studies

It is recommended that a student who is planning on teaching the social sciences select social studies as a major. This major prepares a student to teach all the subjects included in the social studies program. (See section of **Bulletin,** describing this program.) However, students majoring in economics, geography, history, political science, or sociology and minoring in secondary education may be certified to teach social studies if their degree program includes the following courses: world history—6 semester hours; American history—6 semester hours; Mississippi history—3 semester hours; economics—6 semester hours; political science—6 semester hours; geography—6 semester hours; sociology—3 semester hours.

CURRICULAR REQUIREMENTS FOR NON-TEACHING DEGREES

The College of Education and Psychology offers major programs in psychology, library science, office management, executive secretarial studies, social and rehabilitation services, and industrial technology leading to the Bachelor of Science non-teaching degree. Students in psychology, library science, and architectural technology may take programs leading to the Bachelor of Arts degree. The requirements for these non-teaching degrees are listed below.

Bachelor of Science (Non-Teaching)

General Requirements

	Hours
English 101, 102, and two (2) other English courses 200 level or above	12
History 101, 102, or 140, 141	6
Science*	9
Mathematics	3
Social Science	9
Elect three courses from the following for 9 hours:	
Political Science 101	
Economics 200 or 255 or 256	
Sociology 101	
Geography 103	
Anthropology 212	
**Philosophy 151 or 253	3
Allied Arts 100	3
Public Address 111	3
Psychology 110	3
Physical Education or ROTC/AFROTC	2

*Biology or physics recommended for psychology majors.
**Psychology majors only.

Major Requirements and Electives

Students should consult with their major departments concerning the major and/or minor requirements and electives which constitute the balance of the degree requirements.

Bachelor of Arts (Non-Teaching)

The requirements for the Bachelor of Arts non-teaching degree are the same as those for the Bachelor of Science non-teaching degree with one exception. Students in the Bachelor of Arts program must complete six (6) to nine (9) hours in a foreign language. Those students who have completed two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six (6) semester hours in the same language at the 200 level or above.

SPECIAL SCHOOL SERVICES

Educational Media Center

John R. Shaffer, Director
Hand, L. W. Jones, R. P. Thomas

To serve better the schools of Mississippi and to provide higher standards of teacher education and campus instructional services, the University has established the Educational Media Center. The Center administers a regional film library, campus educational television, graphic and audiovisual services, as well as teacher education laboratories for curriculum materials, teaching the use of audiovisual equipment, and the production of instructional materials of all kinds.

The Educational Media Center carries out a multiphased service program of instructional development, media production, and research which is designed to function cooperatively with all areas of the University community. The Center's staff of media specialists is available to assist local school districts with faculty in-service workshops, surveys, consulting services, and with the design and development of instructional systems for individual instruction, ungraded schools, and adult education.

The curriculum plan encompasses graduate and undergraduate offerings. Basic courses are designed to provide an overview for prospective teachers, while graduate courses are designed to supplement existing programs and to provide a nucleus for individuals with a strong interest in media at the graduate level.

The University Film Library serves members of the South Mississippi Educational Film Association, and it rents films to non-member schools at a minimum rental charge. This cooperative film library has served the schools of South Mississippi for 24 years, and it is continuing to upgrade and expand its offerings in all fields. School administrators may obtain film catalogues and staff services by writing to:

The Director
Educational Media Center
Southern Station, Box 54
Hattiesburg, Mississippi 39401

Psychology Clinic

L. Erl Mehearg, Director

The University of Southern Mississippi, through the Psychological Clinic, affords graduate students in psychology opportunities for clinical experience in a psychology practicum setting. Training and experience in diagnostic testing, psychological appraisal, psychotherapy, and behavior modification techniques are the primary foci of the Clinic's function. Work with both children and adults provides doctoral level graduate students specializing in the clinical area with a variety of experiences with different forms of maladaptive behavior and learning problems.

Another major function of the Clinic is to provide psychological services to University students. Additionally, service to the community and to the state in the form of diagnosis and treatment of emotional and learning problems is an important function of the Clinic.

Members of the Clinic's staff and the Psychology Department offer consultation to other clinics on the campus and work with them on various related problems.

University students, faculty and staff personnel, public school teachers, physicians, and other interested persons may obtain psychological services by applying to the Clinic.

In ALL cases, student clinicians are closely supervised by experienced clinical personnel.

The Reading Center

George H. McNinch, Director

The Reading Center's primary concern is that of educating teachers in methods, techniques, materials, and equipment for the effective teaching of reading. Additional functions include the training of graduate students for reading specialization in developmental or diagnostic and remedial reading. The Center is able to offer limited services in diagnosis of reading problems and remedial reading to children referred to the Center. The cost of the diagnostic evaluation which includes a suggested program of remedial procedures is $20.00, or a proportionate part, based on ability to pay. Remedial instruction, on a limited basis, is $25.00 per quarter.

Consultant services are available to schools throughout the state. An up-to-date collection of materials used for reading instruction and a library of children's books are open for examination.

University students and adults may obtain testing, counseling, and special reading instruction by applying at the Center. The type of instruction offered will depend upon the type of help needed and the availability of instruction at the time of application. University students can also receive instruction in the reading areas of comprehension, vocabulary development, and study skills improvement through enrolling in the Center's "Improvement of Study" course.

An annual reading conference is held in June. Nationally known reading authorities are featured on the program.

Bureau of Educational Research

Richard Kazelskis, Director

The Bureau of Educational Research is an administrative entity of the Office of the Dean, College of Education and Psychology, at the University of Southern Mississippi. The primary purpose of the Bureau is to provide research and dissemination services to University students, faculty, and the public schools within the State of Mississippi. Major functions include technical assistance in research design and data analysis, coordination of faculty research, reporting of research and professional activities of faculty and students, and independent evaluation of special projects and programs within the College of Education and Psychology.

The Bureau has developed a system of computer programs available for the treatment and analysis of data and provides training and assistance in the utilization of electronic calculators for more limited data treatment requirements. In addition, special services relative to measurement instruments and other specialized research tools are provided.

Additional information may be obtained by contacting the Director of the Bureau of Educational Research.

Speech and Hearing Clinic

Robert C. Rhodes, Director

The Speech and Hearing Clinic is operated by the Department of Speech and Hearing Sciences in the College of Liberal Arts, but it works with the College of Education and Psychology in the preparation of Special Education teachers. The Clinic is located in the Honor House.

This Clinic has a dual function. It provides facilities for the training of specialists in the area of clinical speech, audiology, and language disorders, and provides cliincal services for persons with speech, hearing, and language problems.

The Clinic's services include diagnostic examinations and therapy programs for both children and adults who have speech or hearing problems. These services are available to both University students and members of the community at nominal fees.

Speech and Hearing Clinic Services:

Audiometric Pure Tone Test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing Aid Evaluation	15.00
Hearing Evaluation for Medical-Legal Compensation Claims	25.00
Diagnostic Speech Evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for University students per quarter	5.00

School For Children With Language Disorders

N. Etoile DuBard, Director

The School for Children with Language Disorders is administered by the Department of Speech and Hearing Sciences and is housed in the George Hurst Building. It functions as a laboratory school for children with language disorders related to deafness, childhood aphasia or dyslexia. They may be enrolled on a full-time, part-time or out-client basis for supportive instruction, depending upon the child's needs and the availability of teaching personnel and space. Diagnostic services for children exhibiting difficulties in language or learning are available.

Financial support is provided by the United Giver's Fund of Forrest County and the State Department of Education in addition to tuition and fees.

Students who have completed specific prescribed course work may obtain clinical hours for practicum and/or academic credit in the school. Stipends are sometimes available for students qualifying for work in the school.

DEPARTMENT OF BUSINESS EDUCATION (BED—105)

L. Annelle Bonner, Chairman

Baldwin, Conerly, C. Lewis, G. Taylor, Whitford

The Department of Business Education offers curricula in business teacher education, office management, a four-year program in executive secretarial studies, and a two-year program leading to a specialized certificate in secretarial training.

The student who plans to teach business subjects on the high school level will follow the curriculum prescriptions which lead to the Bachelor of Science teaching degree. He will enroll in the College of Education and Psychology and must meet the admission requirements for that College. His major field of concentration will be in business subject matter prescribed by the Department of Business Education. The professional education and psychology requirements constitute the minor.

The recommended minor in secretarial studies is nine (9) hours in typewriting, nine (9) hours in shorthand, and nine (9) hours in advanced business education courses. A year of typewriting and a year of shorthand taken in high school will reduce the number of recommended hours to twenty (20).

To complete the curriculum requirements in business teacher education, executive secretarial studies, or secretarial training, one course in typewriting and one course in shorthand must be taken at the University of Southern Mississippi. A student with one year of typewriting in high school cannot get credit for BED 101, and a student with one year of shorthand in high school cannot get credit for BED 201. A student who has had more work than this in either or both fields should consult with the chairman of the Department of Business Education about the appropriate beginning courses for his program.

BUSINESS TEACHER EDUCATION

		Hours
General Education Requirements		53
English 101, 102, and two Intermediate English	12	
History 101, 102, or 140, 141	6	
Mathematics	3	
Science—Biological and Physical (May be Fundamentals of Science)	12	
Social Science	6	
Economics 255	3	
Select one:		
Sociology 103, or 210; Geography 103; Philosophy 151; Political Science 101	3	
Health 101	3	
Public Address 111	3	
Psychology 110	3	
Allied Arts 100	3	
Physical Education or ROTC/AFROTC or approved substitute	2	
Professional Education and Psychology		27
(Refer to Secondary Education Professional Requirements)		
These courses constitute the minor in business teacher education.		
The special method course is CIS 451.		
Departmental Subject Matter Requirements		55
BED 102, 310; BED 202, 305, 471, 472; ACC 201, 202, 300; BED 300, 352, 354, 485, 450, 452, 453, 460; ECO 256; FIN 295. Business skills courses taken in high school will reduce the total number of hours required for the major.		
Electives to complete a total of 135 hours (Recommended courses are CGE 101, BED 480, CIF 416, CSS 240, ECO 330, FIN 389, MGT 360, MKT 300)		
		135

OFFICE MANAGEMENT

		Hours
Freshman and Sophomore Curricula		65
English 101, 102, and two Intermediate English	12	
History 101, 102, or 140, 141	6	
Science	9	
Mathematics (Mathematics 100, 101, or 112)	6	

Social Science		9
Economics 255, 256	6	
Select one: Sociology 103 or 210; Geography 103; Political Science 101	3	
Health 101		3
Public Address 111		3
Psychology 110		3
Allied Arts 100		3
Accounting 201, 202, 300		9
Physical Education or ROTC/AFROTC or approved substitute		2
Electives to complete 65 hours		
		65

		Hours
Major requirements		58
Business Education 102, 310, and 354—Typewriting	8	
Business Education 300—Business Writing	3	
Business Education 352—Filing Systems and Records Management	2	
Business Education 485—Office Practice and Procedures	3	
Business Education 450—Office Appliances	3	
Business Education 460—Office Management	3	
Business Education 480—Research and Report Writing	3	
Marketing 300—Principles of Marketing	3	
Finance 295, 311—Business Law and 389—Business Finance	9	
Economics 330—Money and Banking	3	
Management 360—Principles of Management; 362—Introduction to Industrial Management; 364—Personnel Management; 454—Human Relations; and 464—Motion and Time Study	15	
Psychology 251—Applied Psychology	3	
*See note below relative to business skills courses.		
Electives to total 128 hours (Recommended courses are CGE 101, ECO 301, CSS 211, CIF 334, FIN 100, SOC 103)		5
		128

EXECUTIVE SECRETARIAL STUDIES

		Hours
Freshman and Sophomore Curricula		62
The same curriculum as shown for Office Management with this exception: Only three hours of mathematics are required.		
Major requirements		52
*Business Education 102, 310, and 354—Typewriting	8	
*Business Education 202, 305, 471, 472—Shorthand	12	
Business Education 300—Business Writing	3	
Business Education 352—Filing Systems and Records Management	2	
Business Education 450—Office Appliances	3	
Business Education 460—Office Management	3	
Business Education 480—Research and Report Writing	3	
Business Education 485—Office Practice and Procedures	3	
Marketing 300—Principles of Marketing	3	
Finance 295, 311—Business Law; 389—Business Finance	9	
Economics 330—Money and Banking	3	

*Business skills courses taken in high school will reduce the total number of hours required for the major. Hours thus saved may be applied to these recommended courses: Finance 100—Introduction to Business; Psychology 251—Applied Psychology; Sociology 103—Introduction to Soci-

ology; CGE 101, CIF 334—Improvement of Study; CSS 210—Introduction to Programming Laboratory.

Electives to total 128 hours		14
		128

SECRETARIAL TRAINING

The two-year program in secretarial studies is a terminal program for students who wish to prepare for secretarial employment but who do not wish to pursue a baccalaureate degree. The program leads to a specialized certificate in secretarial training. Required courses are shown below.

	Hours	
Required General Courses		20
English 101, 102, and one Intermediate English	9	
Public Address 111—Oral Communication	3	
Mathematics 100—Basic Mathematics, or Algebra 101	3	
Physical Education	2	
Social Studies—Political Science 101, History 101, 102, Sociology 103, Geography 103, or Psychology 110 (Select one)	3	
Required Business Courses as listed below		46
*Business Education 102, 310, and 354—Typewriting	8	
*Business Education 202, 305, 471, and 472—Shorthand	12	
Business Education 300—Business Writing	3	
Business Education 352—Filing Systems and Records Management	2	
Business Education 450—Office Appliances	3	
Business Education 460—Office Management	3	
Business Education 485—Office Practice and Procedures	3	
Accounting 201 and 202—Principles of Accounting	6	
Economics 255—Principles of Economics	3	
Finance 295—Business Law	3	
Electives (if needed)		
		66

*A student who has had one year of typewriting in high school will start his program with BED 102; one who has had a year of shorthand in high school, with BED 202. The hours saved are to be used on the following courses: FIN 100, ECO 256, ACC 300, CIF 334, CGE 101, BED 480, or the social studies courses listed in the core requirements.

DEPARTMENT OF COUNSELING AND GUIDANCE (CGE—140)

John D. Alcorn, Chairman

Boroughs, Culberson, Daniels, Durkee, Gutsch, Kelly, Langdon, Massey, Probst, Randolph, Shafer, Sitzman

The Department of Counseling and Guidance offers both graduate and undergraduate programs. At the graduate level separate curricula are offered in four areas of counseling and guidance work. These are: (1) school counseling and guidance; (2) college counseling and student personnel work; (3) community agency counseling; and (4) counselor education and supervision. See the **Graduate Bulletin** for course patterns of each curriculum mentioned. The department offers work leading to the Master of Education in School Counseling; the Master of Science in College Counseling and in Community Counseling; the Specialist in

Counseling and Guidance; the Doctor of Philosophy, and Doctor of Education in Counseling and Guidance. The course pattern included in the Master of Education program in School Counseling will meet Mississippi State Department of Education's academic requirements for certification as a school counselor.

The undergraduate curriculum provides an inter-departmental major in Social and Rehabilitation Services. The program offers pre-professional training for those students planning to enter graduate work in counseling or a related helping specialty, and/or terminal preparation for positions in agencies or institutions providing educative, social, or rehabilitation services. Other undergraduate courses are offered as introductions to aspects of counseling and guidance work and may be used as electives subject to the approval of program advisers in the respective departments.

The general requirements for a major in Social and Rehabilitation Services consists of fifty-four or fifty-five (54 or 55) semester hours, which are outlined under **Curricular Requirements For Non-Teaching Degrees.** The major in Social and Rehabilitation Services is designed so that a student entering from other colleges with the core requirements completed can complete the sequence within six to eight quarters. A major in Social and Rehabilitation Services requires sixty (60) hours in an interdepartmental major; the major includes thirty (30) semester hours in CGE courses plus a minimum of eighteen (18) additional hours beyond the core requirements in the social and behavioral sciences; and three (3) hours in each of the areas of special education, industrial education, management, and business education. An additional twenty-one or twenty-two (21 or 22) hours of electives complete the degree program of 136 semester hours.

CASE MANAGEMENT SERVICES EMPHASIS

Major Requirements			60
Departmental Courses		30	
CGE 310—Introduction to Social and Rehabilitation Services	3		
CGE 311—Assessment, Evaluation, and Prognosis in Social and Rehabilitation Services	3		
CGE 312—Methods and Techniques of Social and Rehabilitation Services	3		
CGE 360—Social and Rehabilitation Services Laboratory I	3		
CGE 361—Social and Rehabilitation Services Laboratory II	3		
CGE 413—Vocational Development and the World of Work	3		
CGE 430—Principles and Processes of Case Management	3		
CGE 431—Medical and Personal Adjustment Aspects of Social and Rehabilitation Services	3		
CGE 432—Community Resources in Guidance	3		
CGE 462—Social and Rehabilitation Field Practicum I, II	3-6		
Social Science		9	
Select three from: SOC 230, 310, 314, 350, 424, 450			
Behavioral Science		9	
Select three from: PSY 231, 251, 360, 375, 436, 451			

Special Areas		12
Business Education	3	
Select one from:		
BED 101, 102, 352, 385		
Industrial Education	3	
Select one from:		
ITE 403, 432, 434		
Special Education	3	
Select one from:		
SPE 400, 401, 440		
Management	3	
Select one from:		
MGT 360, 364, 454		
Electives		21-22

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Paul W. Peddicord, Chairman

N. Hugh Frugé, Coordinator, Elementary Education
Herschel Q. Peddicord, Coordinator, Secondary Education
Bonnie J. Davis, Coordinator, Pre-Professional Programs

C. Campbell, Carmichael, Cunningham, J. C. Davis, James, McNinch, L. Miller, W. Miller, Mottley, Nielsen, Noble, L. Posey, Rains, Tatum

JOINT ASSIGNMENT WITH OTHER DEPARTMENTS: Breland, English; F. Brown, Science Education; Fowler and George, Communication; Dunigan and R. W. King, Mathematics; Hunter, Industrial and Technical Education; Talley, Health and Physical Education; Thornton, Foreign Languages; Ryan, Art Education; Bonner, Business Education; P. Kalisch, Social Studies

REQUIREMENTS FOR ELEMENTARY EDUCATION MAJOR

Students preparing to teach in the elementary school will enter a comprehensive Elementary Education Program of studies which does not require an academic minor. The elementary education sequence, therefore, includes all requirements to satisfy both the major and minor area of study. The National Teacher Examinations and the English Proficiency Test are required of **all** candidates for the teaching degree.

In order to meet the revised Mississippi Certification Requirements effective September, 1972, elementary education majors must pursue a certification program which encompasses kindergarten through grade three (kindergarten-primary level), grades four through eight (middle school level), or kindergarten through grade eight (comprehensive elementary certification).

The required courses which an elementary education major must satisfy are listed below in suggested sequence. For further directions in selecting courses see the general and special requirements for the particular certification program.

Freshman Year

	Hours
English 101 and 102	6
History 101, 102, or 140, 141	6
Public Address 111	3
*Science	9
Physical Education or ROTC/AFROTC	2
ARE 107	3
Health 101	3
Total	32

Sophomore Year

English Two courses 200 level or above	6
Mathematics 210	3
*Science	3
**Social Science	6
Psychology 110	3
Music Education 361	3
ARE 309	3
Educational Foundations—CIF 300 (last quarter of sophomore year or first quarter of junior year)	3
Electives	3
Total	33

Junior Year

Mathematics 310	3
Child Psychology—EPY 370	3
Educational Psychology—EPY 374	3
Language Arts—CIE 306	3
Methods and Materials in Arithmetic—CIE 301	3
Social Studies in the Elementary School—CIE 305	3
Music Education—MED 362	3
Reading—CIE 309 and 311 or 312	6
Literature for Children—CIE 317	3
Audiovisual Education—CIF 416	3
Total	33

Senior Year

Reading—CIE 412	3
Student Teaching and General Methods CIE 480, 425, or 482, 343	12
Tests and Measurements—CIF 469	3
Science for Elementary Teachers—SCE 432	3
Kindergarten-Primary Education—CIE 403 (for K-3 Certification only)	3
Electives	9 or 6
Total	30

The National Teacher Examinations (common and teaching areas) must be taken.

*Twelve hours in science is required. It is suggested that six (6) hours physical science and six (6) hours of biological science be used. FS 104 and 105, 106 and 107 will meet this requirement. A student may elect to take nine (9) hours physical and three (3) hours biological science or three (3) hours physical and nine (9) hours biological science.

**The social science requirement may be met by electing two of the following: Political Science 101, Economics 200, Sociology 101, Geography 103, Anthropology 212.

REQUIREMENTS FOR SECONDARY EDUCATION MINOR

The student who plans to teach at the high school level will work toward the Bachelor of Science "Professional" degree. This degree requires an academic major and completion of the general and professional requirements listed under the preceding **Secondary Education Section.** The majors available for this degree are listed under the section entitled **Teacher-Education Programs and Requirements.** The National Teachers Examinations and the English Proficiency Test are also part of the degree requirement. A student in secondary education will have two advisers: one designated faculty member each from the Department of Curriculum and Instruction and the department in which he is majoring.

Students should read carefully the requirements for student teaching. No more than nine semester hours in professional education courses taken by independent study may be accepted for a degree.

The "professional" degree meets the requirements for certification by state and national certification agencies.

DEPARTMENT OF EDUCATIONAL ADMINISTRATION AND SUPERVISION (AED—130)

James H. McPhail, Chairman

B. Anderson, E. Bedenbaugh, Braun, Carson, Karnes, Owings, Weatherford

The Department of Educational Administration and Supervision offers programs for the preparation of administrators for the public schools and college and for teachers of educational administration. These preparation programs are offered only at the graduate level and lead to the master's degree, the sixth year specialist degree, and the doctor's degree. For a description of these programs, consult the **Graduate Bulletin.**

DEPARTMENT OF INDUSTRIAL AND TECHNICAL EDUCATION (ITE—165)

E. Max Hunter, Chairman

Boutwell, Boyte, Buckley, W. Burns, Lanmon, McGowen, Salinas

The student may choose from these majors: (1) industrial arts teaching; (2) industrial technology; (3) architectural technology; (4) plastics technology; and, if qualified by training and work experience, (5) technical education. For graduate work in the department, consult the **Graduate Bulletin.**

A departmental minor requires twenty-one (21) semester hours.

INDUSTRIAL ARTS TEACHING MAJOR

This program includes the University's graduation requirements and state certification requirements. The student automatically minors in secondary education.

General Requirements

See General requirements under Secondary Education.

Professional Courses

CIF 300, CIF 469, EPY 372, EPY 374, CIS 453, CIS 313, CIS 483

Major Requirements

	Hours	
Drawing	6	Select from ITE 121, 122, 323, 325, 350
Woodworking	6	Select from ITE 331, 332, 333, 334
Metalworking	6	Select from ITE 340, 341, 342, 343, 344, 345
Electricity	6	Select from ITE 301, 302, 303, 421

	Hours
ITE 116 General Shop	3
ITE 314 Leather	3
ITE 315 Plastics	3
ITE 482 Shop Safety	3
ITE 400 Shop Planning	3
ITE 401 Shop Management	3

Electives to complete 128 hours.

INDUSTRIAL TECHNOLOGY MAJOR

General Requirements

See Non-Teaching degrees under Education and Psychology.
A minor is not required.

Major Requirements

	Hours
MAT 101, 103	6
Science 3 courses from physics, chemistry, polymer science, geology	
ITE 121, 122, 323, 350	12
ITE 331, 332, 333, 334 (select three courses)	9
ITE 340, 341, 342, 343, 344, 345 (select four courses)	12
ITE 301, 302, 303	9
ITE 313, 315, 316, 318	12
ITE 308, 482	6

Electives to complete 128 hours.

ARCHITECTURAL TECHNOLOGY MAJOR

General Requirements

See Non-Teaching degrees under Education and Psychology.
A minor is not required.

Departmental Requirements

	Hours
ART 111, 112	6
PHY 101	4
MAT 171, 276, 277	9
ITE 375, 376, 377	9
ITE 371, 372, 373	9
ITE 351, 352, 353	9
ITE 451, 452, 453*	9
ITE 304, 395	6
ITE 392, 393, 394	9

Electives to complete 128 hours.

*Students who do not maintain at least a B average in the design courses will be required to enroll in additional courses in architectural design.

PLASTICS TECHNOLOGY MAJOR

General Requirements

See Non-Teaching degrees under Education and Psychology.
A minor is not required.

Major Requirements

The student, with his adviser, will select a minimum of 42 hours from the following courses.

	Hours
PSC 350, 351, 352	9
PSC 360, 361, 362	9
PSC 460, 461	6
PSC 401, 402, 403	9
PSC 463, 493	5
ITE 306, 361, 362	9
ITE 363, 364, 365	9
ITE 308, 367, 382	9

Electives to complete 128 hours.

DEPARTMENT OF LIBRARY SCIENCE (LS—170)

John R. Shaffer, Acting Chairman

Tracy, Dukes, Laughlin

A student majoring in library science may work toward either the Bachelor of Arts or the Bachelor of Science non-teaching degree or the Bachelor of Science teaching degree. Students desiring to prepare for positions in public, college, and special library fields should follow either the Bachelor of Arts or the Bachelor of Science non-teaching degree program. Students desiring to become public elementary or secondary school librarians should follow the applicable Bachelor of Science teaching degree program.

The student's choice of a degree program should be determined by his or her career goals, certification requirements, and in consultation with the chairman of the Department of Library Science.

All students seeking a major in library science need to enroll in the College of Education and Psychology.

Curriculum for Bachelor of Science Degree with a Major in Library Science
(Non-Teaching Degree)

Students desiring to prepare for positions in the public, academic, and special library fields should complete the general, departmental, and minor and elective requirements for the Bachelor of Science or the Bachelor of Arts degree (non-teaching) listed below.

Freshman and Sophomore Years

	Hours
General Requirements	53

See general requirements listed under Curriculum Requirements for Non-Teaching Degrees, College of Education and Psychology, page 75.

Junior and Senior Years

	Hours
Departmental Requirements (Major)	28

LS 301, 302, 303, 427, 428, 462, 463 or 471, 489 and CIF 416

The student majoring in library science should take at least twenty-eight (28) hours in the Department of Library Science. CIF 416 is required of all majors and is counted as a library science course. Students from departments other than library science who desire to minor in library science must take twenty-two (22) hours in the department, omitting LS 428 and LS 463 from those listed above.

	Hours
Minor and Elective Requirements	47

In addition to general and departmental requirements, the student must also complete the requirements for a minor, or a dual major (preferably in English, social studies, or communication), and enough elective hours from any department of the University to complete the 128 semester hours required for a degree. Students should see their departmental or professional adviser for assistance in planning their minor or dual major.

Curriculum for Bachelor of Arts Degree with a Major in Library Science
(Non-Teaching Degree)

The requirements for the Bachelor of Arts non-teaching degree are the same as those for the Bachelor of Science non-teaching degree with one exception. Students in the Bachelor of Arts program must complete

six (6) to nine (9) semester hours in a foreign language. Those students who have completed two years of the same language in high school and who make satisfactory placement test scores may meet the language requirements by completing six (6) semester hours in the same language at the 200 level or above.

Curriculum for Bachelor of Science Degree with a Major in Library Science

(Professional Teaching Program-Elementary School Librarian)

Students desiring certification as elementary-school librarians or media directors should complete the general, specialized (departmental), professional, and elective requirements listed below.

Freshman and Sophomore Years

	Hours
General Education Requirements	53

See general education requirements listed under Elementary Education, College of Education and Psychology, page 72.

Junior and Senior Years

	Hours
Specialized (Departmental) Requirements	27
LS 301, 302, 303, 415, 416 or 491, 427 428 or 471, 462, and CIF 416	
Professional Requirements	Hours
For K-3 Certification	39
CIE 306, 309, 311, 403, 425, and 480; CIF 469	
EPY 370 and 374	
ARE 309	
MED 361	
Electives	9
	Hours
*For 4-8 Certification	36
CIE 306, 309, 312, 343, and 482; CIF 469	
EPY 370 and 374	
ARE 309	
MED 361	
Electives	12
*For K-8 Certification	39
CIE 306, 309, 311 or 312, 403, 425 and 480 or 343 and 482; CIF 469	
EPY 370 and 374	
ARE 309	
MED 361	
Electives	9

*Students desiring 4-8 or K-8 certification must acquire two "areas of concentration." Persons completing specialized (departmental) requirements have earned a concentration in library science and must use elective hours for an additional concentration from those listed under Elementary Education, College of Education and Psychology, page 72.

Curriculum for Bachelor of Science Degree with a Major in Library Science

(Professional Teaching Program-Secondary School Librarian)

Students desiring certification as secondary-school librarians should complete the general, departmental, professional, and elective course requirements listed below.

Freshman and Sophomore Years

	Hours
General Requirements	53

See general requirements listed under Secondary Education, College of Education and Psychology, page 74.

Junior and Senior Years

	Hours
Departmental Requirements	27

LS 302*, 303*, 415*, 416* or 491*, 301, 427, 462
463 or 471, and CIF 416 or LS 470

*Common core of courses required for both the Mississippi Class A Permit and the Class A Certificate. To qualify for the Class A Certificate, the student must complete these courses and twelve (12) additional semester hours in library science to include CIF 416 or LS 470. Library science majors must complete all departmental requirements.

	Hours
Professional Requirements	44

CIF 300 and 469; EPY 372 and 374; CIS 313 and 492

	Hours
Electives	44

Library science majors are advised to concentrate elective hours in one or more areas other than library science in order to qualify for Mississippi certification in these areas. Students should see their departmental or professional adviser for information concerning additional certification.

DEPARTMENT OF PSYCHOLOGY—(PSY—175)

Ray S. Musgrave, Chairman

Baker, Gates, Hildman, Horn, Koeppel, Lowe, McDaniel, Mehearg, Moffat, Quigley, D. Sisemore, Welker, Yarnell

The Department of Psychology offers a full range of courses in psychology in either of two major sequences: general and pre-professional. It also functions as a service department in teacher-education, offering certain courses required for teacher certification. The department also offers courses for other schools and departments which require or recommend courses in psychology in their respective curricula. For graduate programs consult the **Graduate Bulletin.**

Requirements for Major

A student majoring in psychology may elect one of several alternative plans. He may work toward the Bachelor of Science or the Bachelor of Arts degree. In each degree program he may follow either the pre-professional major sequence, or he may elect the general major program. The student's choice of program should be determined by his plans for the future and worked out in consultation with his faculty adviser. A major consists of twenty-four (24) hours of psychology in addition to PSY 110 and may include EPY courses.

General Psychology Major

This program is provided for the student interested in psychology and who plans to enter an occupation that does not require graduate professional training in psychology. Graduates are increasingly finding employment opportunities to use certain psychological skills and principles in mental health centers, social service agencies, hospitals, special schools, employment agencies, etc., and as trainees in government, in-

dustrial, and merchandising fields. Students planning this major may wish to develop a second area of concentration in sociology, or early child development, recreational leadership, personnel management, or communications, etc. Opportunities are available for practical field experiences in some of these areas in the senior year.

Students aspiring to advanced professional training should take the pre-professional sequence.

Teaching Psychology in High School

Students planning to teach psychology in high school should plan their entire course very carefully with their faculty adviser. They must meet State Department of Education certification requirements while minoring in secondary education. They should take the pre-professional psychology major sequence.

Pre-Professional Psychology Major

This major sequence is planned to provide the student with the background and skills essential for graduate professional training in psychology.

A. Curriculum—General and Professional Requirements

The student working toward either degree must include the appropriate core curriculum requirements for his degree. The general requirements for psychology majors taking a non-teaching degree may be found under **Curricular Requirements for Non-Teaching Degrees.**

Students who contemplate advanced graduate work are reminded that a reading knowledge of one foreign language is usually required. Study of German or French is recommended as a part of the undergraduate program for pre-professional psychology majors. Bachelor of Arts students will take one of these languages to meet general requirements.

B. Curriculum—Departmental Requirements

1. General and Specific Requirements.

The student wishing to major in psychology, regardless of his degree plan, must take twenty-four (24) hours in the Department of Psychology, in addition to PSY 110. Required of all majors are PSY 310, 320, 360, and 418.

The student taking the general major will find, in addition to the required courses listed above, that PSY 231, 251, 375, 450, 451, 462, 455, 436, and 492 deal with content and skills with some direct applications.

The student taking the pre-professional psychology major should, in addition to PSY 110, take PSY 310, 320, 360, and 418 as indicated above, and PSY 422, 455, or 436, and 426. The remaining hours for the major are elective within the department.

Courses designated EPY may be used toward a psychology major.

C. Curriculum—Minor and Electives—General and Professional

In addition to the General, Professional, and departmental requirements, the student must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

Educational Psychology

The Department of Psychology offers certain courses which are required by the State Department of Education for teacher certification. These courses are all concerned with the contributions of psychology to the work of the teacher and are listed in the Course Description Section as **Educational Psychology.**

DEPARTMENT OF RESEARCH AND HUMAN DEVELOPMENT (RED—135) (CIF—125) (CIA—110)

L. C. Welker, Jr., Chairman

Bell, Berry, W. Cooley, Cooper, Davidson, Dennis, Easterling, Ginn, Gunn, Hagenson, Hand, L. W. Jones, Kazelskis, Keith, Knight, Lee, Leonard, B. D. Moore, Olsen, O. Phillips, Purvis, L. L. Rogers, Shaffer, R. P. Thomas.

The Department of Research and Human Development provides supportive services in teacher education. At the undergraduate level, these services include Educational Foundations, Educational Media, Student Teaching, and Adult Education. At the graduate level, these services include Educational Foundations, Educational Media, Adult Education, and Research Training.

OFFICE OF STUDENT TEACHING

Leroy Rogers, Director

The basic purpose of the student teacher program is to provide all students in teacher-education with opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching program provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of Student Teaching. The student teacher's assignment is for a full-day, full-quarter for which he earns nine (9) semester hours credit. Supervision is provided by cooperating school personnel and faculty members of the University.

Each student must follow the procedure listed below in submitting both his request and application for student teaching.

REQUEST—Formal request must be submitted to the Office of Student Teaching during the registration period two quarters prior to student teaching. Request for fall quarter student teaching must be filed during the registration period of the previous winter quarter. There is no regular student teaching during the summer quarter.

APPLICATION—On the day the student is regularly scheduled to register, one quarter prior to student teaching, the prospective student teacher must obtain his application for student teaching. The application must be completed and submitted with his adviser's signature within ten days from date of registration.

All student teachers:

1. Must have completed a minimum of 88 semester hours of college work.
2. Must have completed a minimum of sixteen (16) semester hours in their major field, six (6) of which must have been taken in residence in this institution.
3. Must have at least a 2.2 overall average at the time they submit their application.
4. Candidates for student teaching in the elementary school must have completed the following courses—CIF 300, CIE 301, 305, 306, 309, 311 or 312, EPY 370 and 374.
5. Candidates for student teaching in the secondary school must have completed CIF 300, EPY 372 and 374 and special methods courses listed as CIS 451-465.
6. Must have passed the English Proficiency Test.
7. Must have been admitted to a teacher-education program for at least two quarters.

8. Must expect to spend the entire school day in an off-campus school designated by the Director of Student Teaching.

Candidates for student teaching in the secondary school should register for CIS 313, **Principles of Teaching in High School,** simultaneously with student teaching.

Candidates for student teaching in the elementary school should register for CIE 343 or 425, **Methods and Materials in Elementary Education,** simultaneously with student teaching.

For specific requirements, see elementary education courses listed as CIE 480, 482, 489, and secondary education courses listed as CIS 481-494, and CIS 495.

Regulations for Admission to Student Teaching Seminar CIE 489 and CIS 495

Student teaching for in-service teachers will be offered each summer quarter for six (6) semester hours. To be eligible for this course:

1. The applicant shall submit evidence of two years teaching experience and a recommendation from a principal or superintendent under whom the applicant has worked.
2. The applicant shall present evidence of a contract for the coming school year.
3. The applicant shall have previously earned twelve (12) semester hours from this institution and shall not be on probation.
4. The applicant must be in an undergraduate degree program at this institution.
5. The applicant must be teaching in Mississippi.
6. The applicant must meet all the requirements for student teaching.
7. Permission to enroll in these classes shall be granted by the Director of Student Teaching following an interview with the applicant.
8. Application for in-service student teaching must be made in the Student Teaching Office by March 30.

TEACHING INTERNSHIP

A teaching internship is offered as an alternate program in teaching certification. The student selecting this program must participate for one school year as an intern in a school system that has been approved as an intern center. Selection of students for the program is made by the participating school system with approval by the University. Any student desiring to enter this program should contact the Director of Interns in the College of Education and Psychology as he enters his junior year.

CIE 492 Internship in Kindergarten and Primary Education
CIE 493 Internship in the Middle School
CIS 496 Internship in Secondary Education

Nine (9) hours credit is awarded at the successful completion of three quarters of experience in an approved internship. **EPY 470** and **CIF 421** must be completed during the internship. Enrollment is by permission of the Director of Interns only.

EDUCATIONAL MEDIA CENTER

John R. Shaffer, Director
Hand, L. W. Jones, R. P. Thomas

To serve better the schools of Mississippi and to provide higher standards of teacher education and campus instructional services, the University has established an Educational Media Center. The Center administers a regional film library, campus educational television, graphic and audiovisual services, as well as teacher education labora-

tories for curriculum materials, teaching the use of audiovisual equipment, and the production of instructional materials of all kinds.

The Educational Media Center carries out a multiphased service program of instructional development, media production, and research which is designed to function cooperatively with all areas of the University community. The Center's staff of media specialists is available to assist local school districts with faculty inservice workshops, surveys, consulting services, and with the design and development of instructional systems for individual instruction, ungraded schools, and adult education.

The curriculum plan encompasses graduate and undergraduate offerings. Basic courses are designed to provide an overview for prospective teachers, while graduate courses are designed to supplement existing programs and to provide a nucleus for individuals with a strong interest in media at the graduate level.

The University film library serves members of the South Mississippi Education Film Association, and it rents films to non-member schools at a minimum rental charge. This cooperative film library has served the schools of South Mississippi for twenty-four (24) years, and it is continuing to upgrade and expand its offerings in all fields. School administrators may obtain film catalogues and staff services by writing to:

The Director
Educational Media Center
Southern Station, Box 54
Hattiesburg, Mississippi 39401.

DEPARTMENT OF SCIENCE EDUCATION (SCE—380)

Including Fundamentals of Science (FS—390)

Bobby N. Irby, Chairman

Bellipanni, F. Brown, I. Brown, Craven, Dale, Flowers, Hurst, Matthews, Milkent, Sonnier

The Department of Science Education is operated jointly by the College of Science and the College of Education and Psychology. The facilities are in the College of Science. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

OBJECTIVES

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Elementary Education, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide programs for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

CURRICULUM AND PROGRAMS

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public

school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year of college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in a particular science, depending upon the area, requires from 23 to 29 semester hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specific sciences and general science. A general outline of the four-year program is given below:

Freshman

	Hours
English 101, 102, 332	9
Mathematics 101, 103, 171	9
Chemistry 101, 102, 103	9
American Government, PS 101	3
Allied Arts 100	3
Health 101	3

Sophomore

Biology 101, 102, 202	12
Literature or Advanced Grammar, ENG 200, 201, 202, or 401	6
History 101, 102	6
Geography 223 or 224	3
Physics 101, 102, 103	9

Junior

Psychology 110	3
Sociology 101	3
Public Address 111	3
Geology 101, 103	6

Begin prescribed (27 hours) professional education sequence

Additional sciences (Note: biology specialists must complete organic chemistry.)

Senior

Complete education sequence (total)	27
CIS 456 (quarter preceding student teaching)	3
CIS 313, 486	12
Science Education 400-level course in specific science area	3

Complete required science courses and credits needed for graduation.

Biology courses for specialization—BIO 101, 102, 202, 401, 485, two electives; and MIC 101 and 301.

Chemistry courses for specialization—CHE 101, 102, 103, 311, 312, 351, 352, 353.

Earth Science courses (being interdisciplinary, courses are utilized from three departments) GLY 101, 103, 301, 241 or 304; AST 311, 312, 313; GHY 223, 224, 325, and one elective.

Physics courses for specialization—PHY 101, 102, 103, 361, 362, and three electives.

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be overemphasized that students should consult with their assigned adviser each quarter. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Students in the College of Science and in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit each. These courses (the 100 series) consist of lecture demonstration sessions of 200 minutes and 210 minutes per week. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines. Credit for these courses will not count toward the degree requirements for a major or minor in the sciences or in the elementary school science teaching.

Inasmuch as there is overlapping and duplication in these courses and those offered by various other science departments, the student should read carefully the limitations for each of the Fundamentals of Science courses. Any question should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses since they may be taken in any sequence the student chooses.

DEPARTMENT OF SPECIAL EDUCATION (SPE—190)

William V. Plue, Chairman

Brown, Markwalder, Norsworthy, Trabont

The University of Southern Mississippi prepares teachers to teach in several areas of exceptionality. Certificate programs, Grades K-12, are available in Mental Retardation, Learning Disabilities, Physically Handicapped, Visually Handicapped, and Speech and Hearing. Students who wish to become speech therapists should follow the program outlined under the Department of Speech and Hearing Sciences.

Students who specialize in teaching exceptional children ordinarily major in special education with emphasis in their major area of interest. It is possible for students majoring in elementary education and others to take an area of concentration in special education and obtain an endorsement to teach in selected areas.

Students wishing to major in special education should follow the program outlined below. All prospective majors, or students electing a concentration field, are urged to consult with a member of the Department of Special Education in planning their programs.

General Requirements	Hours
English 101, 102, and two courses above 200 level	12
Science (to include 3 hours each of physical and biological science) FS 104, 105, 106, 107 are acceptable	12
History 101, 102 or 140, 141	6
Select one course from two of the following fields: PS, SOC, GHY, ECO, ANT	6
General Psychology 110	3
Mathematics 210 and 310	6
Public Address 111	3
Health 101	3
Physical Education or ROTC/AFROTC or approved substitute	2
SPE 200, 201, 202	3
Educational Psychology 374	3
Child Growth and Development 370	3
	62

Junior and Senior Years

Programs will be scheduled individually with an adviser in the Special Education Department. In general, a minimum of six (6) semester hours will be taken in educational psychology and twelve (12) semester hours in curriculum and instruction. Courses required in special education (SPE) are:

	Hours
400—The Exceptional Child	3
411—Speech and Hearing Problems for Classroom Teacher or SHS 301—Introduction to Speech Therapy	3
401—Curriculum Adaptation for the Handicapped	3
300—Problems in Special Education	3
402—Methods and Materials in Teaching Exceptional Children	3
441—Curricula for the Mentally Retarded	3
431—Curricula for Specific Learning Disabilities	3
440—Psychology and Education of the Mentally Retarded	3
430—Learning Disabilities	3
480, 482, 483, 485—Student Teaching	9
403—Psycho-Educational Evaluation of Exceptional Child	3

Special education majors will be required to take additional course work leading to state certification as determined by the student's area interest. Requirements and electives are to be taken to make a total of sixty-six (66) semester hours beyond the general requirements.

SCHOOL OF FINE ARTS

Raymond Mannoni, Dean

E. Richard Prenshaw, Assistant Dean

PURPOSE

The primary purpose of the School of Fine Arts is to provide its students with a well-rounded preparation for professional or teaching careers in one of the many branches of art, music, or theatre. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.

To achieve its purposes, the School of Fine Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, and designed to develop artistic ability and general cultural awareness.

ORGANIZATION

The School of Fine Arts is organized into five departments: Art, Art Education, Music, Music Education, and Theatre Arts. Baccalaureate degrees are awarded in Fine Arts, Art, Music, and Music Education, with appropriate majors. Undergraduate minors are available in art history, dance, music, and theatre. An Allied Arts course, which is designed to introduce the arts in an integrated manner, is taught by teams of instructors drawn from each department of the School. This course fulfills the University's core requirements for fine arts.

The School cooperates with the University Honors Program. Approximately fifteen members of each year's freshman class in music are selected to enter the School's program.

Since curricular requirements vary for each major, students desiring degrees from the School of Fine Arts should follow the course sequences for each year outlined in detail under each department in the following pages.

Students majoring in elementary education who wish to emphasize areas in fine arts, please see "Areas of Concentration for Elementary Certification."

ALLIED ARTS (AA—665)

Yestadt, Coordinator of
Specialist Team
Bisciglia

The area of Allied Arts is an arm of the School of Fine Arts designed to provide students with an overview of the nature of the arts, generally, and to examine, through a team of specialists, the structure of musical, plastic, and theatrical expressions.

DEPARTMENT OF ART (ART—660)

Walter Lok, Chairman

Lehman, Meade, Merrifield, Tuten, Ward

Curricula leading to the degree of Bachelor of Fine Arts are offered in drawing and painting, graphic communication (commercial art), and three dimensional design. A major is available in art leading to the degree of Bachelor of Arts. Minor programs are also available in various areas of art, including art history.

All transfer students are required to submit a portfolio of representative work prior to registration in order to receive advanced standing.

Exhibitions on tour and students' exhibitions are arranged and presented by the faculty and student committees. The department reserves the right to retain student work for exhibition purposes.

DRAWING AND PAINTING MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Freshman

English 100 or Elective	3		
English 101, 102		3	3
Art 131—Theory	3		
Art 111, 112, 113—Design I, II, III	3	3	3
Art 101, 102, 103—Drawing I, II, III	3	3	3
Mathematics		3	
Art 221—Technical Foundations for Painting			3
Physical Education or ROTC/AFROTC	1	1	1
	13	13	13

Sophomore

Art 201, 202, 203—Figure Drawing	3	3	3
Art 332, 333, 334—History	3	3	3
Art 321, 322, 323—Painting	3	3	3
Humanities Core Electives	3	3	3
Electives	1	1	1
	13	13	13

Junior

Art 421, 422, 423—Painting	3	3	3
Social Science Core Electives	3	3	3
Science	3	3	
Art Electives	3	3	3
Electives	1	1	3
	13	13	12

Senior

Art 428—Painting Project	3
Electives	9
	12

GRAPHIC COMMUNICATION MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Freshman

English 100 or Elective	3		
English 101, 102		3	3
Art 131—Theory	3	3	3
Art 111, 112, 113—Design I, II, III	3	3	3
Art 101, 102, 103—Drawing I, II, III	3	3	3
Physical Education or ROTC/AFROTC	1	1	1
	13	13	13

Sophomore

Art 332, 333, 334—History	3	3	3
Art 341, 342, 343—Commercial Techniques	3	3	3
Art 201, 202—Figure Drawing	3	3	
Mathematics			3
Humanities Core Electives	3	3	3
Electives	1	1	1
	13	13	13

Junior

Art 441, 442, 443—Graphic Communication	3	3	3
Social Science Core Electives	3	3	3
Art 344—Illustration	3		
Electives	1	4	3
Art Electives	3	3	3
	13	13	12

Senior

Art 448—Graphic Communication Project	3
Electives	9
	12

THREE DIMENSIONAL DESIGN MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Freshman

English 100 or Elective	3		
English 101, 102		3	3
Art 111, 112, 113—Design I, II, III	3	3	3
Art 101, 102, 103—Drawing I, II, III	3	3	3
Art 131—Theory	3		
Science		3	3
Physical Education or ROTC/AFROTC	1	1	1
	13	13	13

Sophomore

Art 332, 333, 334—History	3	3	3
Art 201, 202—Figure Drawing	3	3	
Mathematics			3
Art 351, 352—Three Dimensional Techniques	3	3	
Art 451—Three Dimensional Expression			3
Humanities Core Electives	3	3	3
Electives	1	1	1
	13	13	13

Junior

Art 452, 453, 454—Three Dimensional Expression	3	3	3
Social Science Core Electives	3	3	3
Art Electives	3	3	3
Electives	4	4	3
	13	13	12

Senior

Art 458—Three Dimensional Design Project	3
Electives	9
	12

ART MAJOR

(Leading to the degree of Bachelor of Arts)
(This program requires a minor of 18 hours outside the area of Fine Arts)

Freshman

English 100 or Elective	3		
English 101, 102		3	3
Art 131—Theory	3		
Science		3	3
Art 111, 112, 113—Design I, II, III	3	3	3
Art 101, 102, 103—Drawing I, II, III	3	3	3
Physical Education or ROTC/AFROTC	1	1	1
	13	13	13

Sophomore

Humanities Core Electives	3	3	3
Mathematics	3		
Minor and/or Electives	1	4	4
Art 332, 333, 334—History	3	3	3
*Art Sequence I	3	3	3
	13	13	13

Junior

Social Science Core Electives	3	3	3
Foreign Language	3	3	3
*Art Sequence II	4	4	4
**Minor and/or Electives	3	3	3
	13	13	13

Senior

**Minor and/or Electives	12

*Nine (9) hours of art from a single area constitute a sequence.
**Minor hours must total eighteen (18) from an approved subject field.

DEPARTMENT OF ART EDUCATION (ARE—665)

William H. Poirier, Chairman

Capes, Felty, Ryan, Scamell

The courses in art education are designed to prepare students to meet the requirements for state certification and to give them a practical and theoretical understanding of the area of study. The National Teacher Examinations are required of all candidates for the Art Education degree.

All transfer students are required to submit a portfolio of representative work prior to registration in order to receive advanced standing.

Exhibitions on tour and students' exhibitions are arranged and presented by the faculty and students of the department.

TEACHER CERTIFICATION CURRICULUM

(Leading to the degree of Bachelor of Fine Arts)

Freshman

ART 101, 102, 103—Drawing I, II, III	3	3	3
ART 111, 112, 113—Design I, II, III	3	3	3
ART 120—Theoretical Foundations	3		
ENG 101, 102, and one of the following; 200, 201, 202, or 401—English	3	3	3
HIS 101, 102—History		3	3
Physical Education or ROTC/AFROTC or approved substitute	1	1	
	13	13	12

Sophomore

ARE 309—Elementary School Art	3		
ART 315, 325, 335—Art History	3	3	3
ENG 200, 201, 202, or 401—English	3		
EPY 374—Educational Psychology			3
EPY 372—Human Growth and Development		3	
FS 104, 105, 106, or 107—Fundamentals of Science	3	3	3
MAT 100—Mathematics			3
Social Science		3	
	12	12	12

Junior

ARE 310—Public School Art		3	
ARE 412—Crafts I	3		
ARE 414—Crafts II			3
ARE 492—Art Education Project			3
ART 319—Technical Foundations for Painting		3	
ART 341—Commercial Art			3
ART 351—Three Dimensional Techniques	3		
CIF 300—Foundations in Education	3		
CIF 469—Test and Measurements		3	
CIS 452—Methods in Art			3
FS 104, 105, 106, or 107—Fundamentals of Science		3	
PSY 110—Psychology	3		
	12	12	12

Senior

ARE and ART Electives	3	
CIS 313—Principles of Teaching High School		3
CIS 482—Student Teaching		9
HTH 101—Health	3	
PA 111—Public Address	3	
	9	12

MUSIC AND MUSIC EDUCATION

The University of Southern Mississippi is a fully accredited member of the National Association of Schools of Music. Requirements for entrance and for graduation are in accordance with the published regulations of this Association.

Entrance examinations in music theory are given all freshman music students. Transfer students are given validation examinations in theory and in their applied areas.

Students desiring to major in music can elect piano, organ, voice, violin, viola, violoncello, string bass, flute, oboe, clarinet, bassoon, horn, saxophone, baritone, trumpet, trombone, tuba, woodwinds, percussion, music history and literature, theory-composition, church music, jazz, or elementary, instrumental keyboard, or vocal music education as a major. Any student of the University not registered for a music degree may pursue such courses in music as he wishes if he pays the required fees.

Music majors who have taken music courses under private instruction or in such way as not to receive credit may be excused from required courses in the music curriculum on the basis of test of proficiency.

Every music major is required to participate in the same major organization for 11 or 12 quarters depending on the degree program. Departmental approval must be received if the student wishes to change organizations. In addition, the student will be allowed to participate in one other ensemble. Permission for participation in more than two ensembles must be granted by the Dean of the School. Every music major is required to attend weekly recital class each quarter.

The student who wishes to take a Bachelor of Arts or Bachelor of Science degree and minor in music may do so by taking the following distribution of courses:

	Hours
MUS 101, 102, 201, 202—Music Theory	12
MUS 131—Survey of Music Literature	3
MED 331, 332, 333—Conducting	3
APM 101, 102, 103, 201—Piano	4

APM 161, 162, or Voice Class, MED 301—Voice	2
Instrumental Electives	3
Music Electives	3
Total	30

DEPARTMENT OF MUSIC (MUS—675)

David Foltz, Chairman

Akers, Andersen, Benner, Cazedessue, Donohue, Fitch, A. Gower, R. Hill, Hays, Imbragulio, Johnston, Mannoni, Mullins, Nowakowski, Nichols, Neumann, Presser, Sanchez, Stocker, Waldoff, Wood

APPLIED MUSIC CURRICULA

These curricula provide instruction designed to prepare a student for a career as a professional musician or private teacher. Careful attention is given to the development of technique, interpretation, and musicianship. A broad knowledge of literature and musical styles is emphasized.

Candidates for the degree of Bachelor of Music in applied music must present recitals selected from composers of the classic, romantic, and modern schools of composition in their senior year.

CHURCH MUSIC MAJOR

(Leading to degree of Bachelor of Music)

The Curriculum in Church Music

The curriculum in church music, with either voice or organ as a major, is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full-time profession, Special emphasis is placed on literature to be used in the church services. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
MAT 100 or 101—Mathematics			3
Major Applied Music (Organ, Piano, or Voice)	1	1	1
Minor Applied Music (Organ, Piano, or Voice)	1	1	1
APM 183—Chorus	1	1	1
	12	12	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
Religious Electives	3	3	
Science Elective			3
Major Applied Music (Organ, Piano, or Voice)	1	1	1
Minor Applied Music (Organ, Piano, or Voice)	1	1	1
Physical Education or ROTC/AFROTC or approved substitute	1	1	
APM 283—Chorus	1	1	1
	12	12	11

Junior

MUS 401—Instrumentation	3		
Social Science Elective		3	3
MUS 462—Hymnology		3	
MED 311—Elementary Music Methods	3		
MED 312—Secondary Music Methods		3	
MUS 459—Church Music Colloquium			3
MED 450—Vocal Pedagogy	2		
MED 331, 332, 333—Conducting	1	1	1
THE 341—Opera Workshop	1		
THE 459—Music Theatre Production			3
Major Applied Music (Organ, Piano, or Voice)	2	2	2
APM 383—Chorus	1	1	1
	13	13	13

Senior

MUS 351—History of Church Music	3	
Science Elective		3
MUS 448, 449—Choral Literature	2	2
Instrumental Repair, Topic I, Organ Design and Repair	3	
Major Applied Music (Organ, Piano, or Voice)	2	2
*APM 415—Recital		1
APM 483—Chorus	1	1
	11	9

*The recital requirement may be waived if the student takes an additional three hours in his applied area.

JAZZ MAJOR

(Leading to degree of Bachelor of Music)

The Curriculum in Jazz

The curriculum in jazz is intended to provide a thorough course of study which will prepare students to pursue jazz music on a professional level. The student majoring in jazz not only will receive special emphasis in his chosen field, but also will receive a strong foundation in theory and other academic subjects relevant to music and general education.

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
Science Elective			3
Applied Music Elective	1	1	1
APM 101, 102, 103—Piano	1	1	1
APM 181, 182, or 183—Orchestra, Band, or Chorus	1	1	1
	12	12	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
Science Elective	3		
Social Science Elective		3	3
MUS 231, 232, 233—History of Music	2	2	2
APM 201—Piano	1		
Physical Education or ROTC/AFROTC		1	1

Applied Music Elective	1	1	1
APM 284—Jazz Lab Band	1	1	1
APM 281, 282, or 283—Orchestra, Band, or Chorus	1	1	1
	12	12	12

Junior

MUS 401—Instrumentation	3		
MUS 375—Techniques in Scoring for Jazz Ensembles		2	
MUS 475—Advanced Techniques for Scoring for Jazz Ensembles			2
MAT 100 or 101—Mathematics	3		
MUS 360—Stylistic Developments in Jazz		3	
MUS 470—Organization and Management of Jazz Ensembles.			3
MED 331, 332, 333—Conducting	1	1	1
Applied Music Elective	2	2	2
MUS 367—Improvisation	1		
MUS 467, 468—Advanced Improvisation		1	1
Minor Applied Instrument Elective	1	1	1
APM 384—Jazz Lab Band	1	1	1
APM 381, 382, 383—Orchestra, Band, or Chorus	1	1	1
	13	12	12

Senior

MUS 476, 477—Advanced Techniques in Scoring for Jazz Ensemble	2	2
MUS 321 or 322—Counterpoint Elective	2	
Music History or Music Literature Elective	3	
MED 322—Woodwind Methods		1
MED 323—Brass Methods		1
MED 427—Percussion Class		1
Applied Music Elective	1	1
APM 484—Jazz Lab Band	1	1
APM 481, 482, 483—Orchestra, Band, or Chorus	1	1
	11	9

MUSIC HISTORY AND LITERATURE MAJOR

(Leading to degree of Bachelor of Music)

The Curriculum in Music History and Literature

The curriculum in music history and literature is planned for those who intend to teach on the college level or for those who desire careers in musical journalism, music publishing, or the recording industry—fields in which a wide and comprehensive knowledge of music history and literature is essential.

The major in music literature will receive a strong foundation not only in his chosen field but also in theory and in academic subjects which will enrich the student's cultural background.

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
MAT 100 or 101—Mathematics			3
Applied Music Elective	1	1	1
APM 101, 102, 103—Piano	1	1	1
APM 181, 182, or 183—Orchestra, Band, or Chorus	1	1	1
	12	12	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
MED 331, 332, 333—Conducting	1	1	1
Foreign Language Elective (French, German, Italian)	4	4	
Science Elective			3
Applied Music Elective	1	1	1
APM 201—Piano	1		
Physical Education or ROTC/AFROTC		1	1
APM 281, 282, or 283—Orchestra, Band, or Chorus	1	1	1
	13	13	12

Junior

MUS 401—Instrumentation	3		
MUS 434—Ancient, Medieval, and Renaissance Music	3		
MUS 435—Baroque Music		3	
MUS 436—18th Century Music			3
MUS 433—20th Century Music			3
Science Elective	3		
Social Science Elective		3	3
Applied Music Elective	2	2	2
APM 381, 382, or 383—Orchestra, Band, or Chorus	1	1	1
	12	9	12

Senior

MUS 321, 322—Counterpoint	2	2
MUS 431—History of Opera	3	
MUS 437—19th Century Music	3	
MUS 351—History of Church Music		3
Music Theory Elective		2
Applied Music Elective	2	2
APM 481, 482, 483—Orchestra, Band, or Chorus	1	1
	11	10

ORGAN MAJOR

(Leading to degree of Bachelor of Music)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
MAT 100 or 101—Mathematics			3
APM 111, 112, 113—Organ	2	2	2
APM 101, 102—Piano	1	1	
APM 181, 182, or 183—Orchestra, Band, or Chorus	1	1	1
	13	13	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
Foreign Language (French, German, Italian)	4	4	
Science Elective			3
APM 211, 212, 213—Organ	2	2	2

Physical Education or ROTC/AFROTC		1	1
APM 281, 282, or 283—Orchestra, Band, or Chorus	1	1	1
	12	13	12

Junior

MUS 401—Instrumentation	3		
Theory Elective		2	
MED 331, 332, 333—Conducting	1	1	1
Science Elective			3
Social Science Elective	3	3	
MUS 459—Church Music Colloquium			3
APM 311, 312, 313—Organ	2	2	2
APM 371, 372—Ensemble	1	1	
MUS 462—Hymnology		3	
APM 315—Recital			0
APM 381, 382, or 383—Orchestra, Band, or Chorus	1	1	1
	11	13	10

Senior

MED 424—Instrumental Repair, Topic I, Organ Design and Repair	3		
MUS 433—Organ Literature		2	
MED 454—Organ Pedagogy		2	
MED 301—Voice Class	2		
Elective	3		
APM 411, 412—Organ	2	2	
APM 415—Recital		1	
APM 481, 482, or 483—Orchestra, Band, or Chorus	1	1	
	11	8	

PIANO MAJOR

(Leading to degree of Bachelor of Music)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
MAT 100 or 101—Mathematics			3
APM 101, 102, 103—Piano	2	2	2
APM 183—Chorus	1	1	1
	12	12	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
Science Elective	3	3	
Elective			3
Physical Education or ROTC/AFROTC		1	1
APM 201, 202, 203—Piano	2	2	2
APM 283—Chorus	1	1	1
	11	12	12

Junior

MUS 401—Instrumentation	3		
Social Science Elective		3	3
MUS 322—Counterpoint		2	

APM 371, 372—Ensemble	1	1	
MED 331, 332, 333—Conducting	1	1	1
Electives	3		3
APM 375, 376, 377—Accompanying	1	1	1
APM 301, 302, 303—Piano	2	2	2
APM 315—Recital			1
APM 383—Chorus	1	1	1
	12	11	12

Senior

MUS 442, 443—Piano Literature	2	2	
MUS 452, 453—Piano Pedagogy	2	2	
Electives	3		
MED 301—Voice Class	2		
APM 401, 402—Piano	2	2	
APM 415—Recital		1	
APM 474, 476—Accompanying	1	1	
APM 483—Chorus	1	1	
	13	9	

STRING MAJOR

(Leading to degree of Bachelor of Music)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
MAT 100 or 101—Mathematics			3
APM 121, 122, 123—Major Instrument	2	2	2
APM 101, 102, 103—Piano	1	1	1
APM 181—Orchestra	1	1	1
	13	13	13

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
Science Elective	3	3	
Elective			3
APM 221, 222, 223—Major Instrument	2	2	2
APM 201—Piano	1		
APM 281—Orchestra	1	1	1
	12	11	11

Junior

MUS 401—Instrumentation	3		
MUS 321 or 322—Counterpoint Elective		2	
Theory Elective			2
MED 331, 332, 333—Conducting	1	1	1
Social Science Elective	3	3	
Elective			3
Physical Education or ROTC/AFROTC		1	1
APM 321, 322, 333—Major Instrument	2	2	2
APM 371, 372, 373—Ensemble	1	1	1
APM 315—Recital		0	
APM 381—Orchestra	1	1	1
	11	11	11

Senior

MED 456, 457—String Pedagogy	2	2	
MUS 451—Chamber Music Literature	3		
MED 301—Voice Class		2	
MED 322—Woodwind Methods		1	
MED 323—Brass Methods		1	
MED 427—Percussion Class		1	
Elective	3		
APM 421, 422—Major Instrument	2	2	
APM 471, 472—Ensemble	1	1	
APM 415—Recital		1	
APM 481—Orchestra	1	1	
	12	12	

THEORY—COMPOSITION MAJOR

(Leading to degree of Bachelor of Music)

The Curriculum in Theory-Composition

This course is designed to prepare the student for teaching theory and composition, writing and arranging music of serious intent, and arranging and writing music of a commercial nature. Various steps in the preparation of music from the preliminary sketch to the published composition are included. The student will become familiar with the Musicwriter, Vari-Typer, diazo-printing, offset-printing, copyright law, and the sale, distribution and promotion of published music.

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
MED 301—Voice Class			2
APM 101, 102, 103—Piano	1	1	1
Applied Music Elective	1	1	1
APM 191—Composition			1
APM 181, 182, 183—Orchestra, Band, or Chorus	1	1	1
	12	12	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
MED 331, 332, 333—Conducting	1	1	1
MED 321—String Class	1		
MED 322—Woodwind Class		1	
MED 323—Brass Class		1	
MED 427—Percussion Class			1
Applied Music Elective	1	1	1
APM 201—Piano	1		
Physical Education or ROTC/AFROTC		1	1
APM 291, 292, 293—Composition	1	1	1
APM 281, 282, 283—Orchestra, Band, or Chorus	1	1	1
	11	12	11

Junior

MUS 401—Instrumentation	3		
Science Elective		3	3
MUS 321, 322—Counterpoint	2	2	
Music Theory Elective			2
Social Science Elective	3	3	
MAT 100 or 101—Mathematics			3
Applied Music Elective	2	2	2
APM 391, 392, 393—Composition	1	1	1
APM 381, 382, 383—Orchestra, Band, or Chorus	1	1	1
	12	12	12

Senior

Foreign Language Elective (French, German, Italian)	4	4
Electives	3	3
Applied Music Elective	2	2
APM 491, 492—Composition	1	1
APM 481, 482, 483—Orchestra, Band, or Chorus	1	1
	11	11

VOICE MAJOR

(Leading to degree of Bachelor of Music)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
MAT 100 or 101—Mathematics			3
APM 161, 162, 163—Voice	2	2	2
APM 101, 102, 103—Piano	1	1	1
APM 183—Chorus	1	1	1
	13	13	13

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
Foreign Language (French, German, or Italian)	4	4	
MUS 241—Diction			2
APM 261, 262, 263—Voice	2	2	2
APM 201—Piano	1		
THE 341, 342—Opera Workshop		1	1
APM 283—Chorus	1	1	1
	13	13	11

Junior

MUS 401—Instrumentation	3		
MUS 321 or 322—Counterpoint Elective		2	
THE 459—Music Theatre Production			3
THE 343, 447—Opera Workshop	1	1	
MED 331, 332, 333—Conducting	1	1	1
Science Elective	3		
Physical Education or ROTC/AFROTC		1	1
Social Science Elective		3	3

APM 361, 362, 363—Voice	2	2	2
APM 315—Recital		0	
APM 383—Chorus	1	1	1
	11	11	11

Senior

MUS 440, 441—Vocal Literature	2	2	
MED 450, 451—Vocal Pedagogy	2	2	
Science Elective	3		
Theory Elective		2	
THE 448, 449—Opera Workshop	1	1	
APM 415—Recital		1	
APM 461, 462—Voice	2	2	
APM 483—Chorus	1	1	
	11	11	

WIND MAJOR

(Leading to the degree of Bachelor of Music)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
MUS 131—Survey of Music Literature			3
Humanities Elective	3	3	
MAT 100 or 101—Mathematics			3
Major Wind Instrument	2	2	2
APM 101, 102, 103—Piano	1	1	1
APM 181 or 182—Orchestra or Band	1	1	1
	13	13	13

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
Science Elective	3	3	
Elective			3
Major Wind Instrument	2	2	2
APM 201—Piano	1		
Physical Education or ROTC/AFROTC		1	1
APM 281 or 282—Orchestra or Band	1	1	1
	12	12	12

Junior

MUS 401—Instrumentation	3		
MUS 321 or 322—Counterpoint Elective		2	
Theory Elective			2
MED 331, 332, 333—Conducting	1	1	1
Social Science Elective	3	3	
Elective			3
Major Wind Instrument	2	2	2
APM 371, 372, 373—Ensemble	1	1	1
APM 315—Recital		0	
APM 381 or 382—Orchestra or Band	1	1	1
	11	10	10

Senior

MED 458, 459—Wind Pedagogy	2	2	
MUS 446, 447—Instrumental Literature	2	2	

MED 301—Voice Class	2	
MED 321—String Methods		1
MED 322—Woodwind Methods		1
MED 323—Brass Methods		1
Elective	3	
Major Wind Instrument	2	2
APM 471—Ensemble	1	
APM 415—Recital		1
APM 481 or 482—Orchestra or Band	1	1
	13	11

DEPARTMENT OF MUSIC EDUCATION (MED—680)

William Gower, Chairman

Carnovale, Cox, Dennis, Donovan, Guilbeau, Haynie, Hong, Jerome, Keck, Lebsack, Madsen, Mason, McKay, Moreland, Munsell, Pound, Prenshaw, Saetre, Tuley, Sidorfsky, Weed

The courses in music education are designed to give thorough and practical training in music pedagogy, as well as the preparation in practical and theoretical music, psychology, education, and cultural subjects necessary for a music specialist of broad background. The National Teacher Examinations are required of all candidates for Music Education degrees. The following curricula are planned to meet the demands of modern music education.

MUSIC EDUCATION MAJOR

Elementary

(Leading to degree of Bachelor of Music Education)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
ENG 200, 201, or 202—English Elective			3
HIS 101, 102, or 140, 141—History	3	3	
MUS 131—Survey of Music Literature			3
Physical Education or ROTC/AFROTC	1	1	
APM 101, 102, 103—Piano	1	1	1
Voice or Instrument	1	1	1
APM 181, 182, or 183—Orchestra, Band, or Chorus	1	1	1
	13	13	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
ENG 200, 201, 202—English Elective	3		
FS 104 and 105*—Physical Science I and II	3	3	
FS 106—Biological Science I			3
MAT 100 or 101—Mathematics		3	
PSY 110—Psychology			3
**APM 201, 202, 203—Piano	1	1	1
Voice or Instrument	1	1	1
APM 181, 182, 183—Orchestra, Band, or Chorus	1	1	1
	14	14	14

*MUS 420—Acoustics—may be substituted for FS 105.

Junior

MED 311—Elementary Music Methods	3		
MED 312—Secondary Music Methods		3	
MED 440—Music Education in the Elementary Schools			3
MED 411—Choral Methods and Curriculum Problems			3
MED 331, 332, 333—Conducting	1	1	1
MED 321—String Methods	1		
MED 322—Woodwind Methods		1	
MED 323—Brass Methods			1
MED 450—Vocal Pedagogy		2	
FS 107—Biological Science II	3		
THE 341—Opera Workshop			1
**APM 301, 302—Piano	1	1	
Voice or Instrument	2	2	2
APM 181, 182, or 183—Orchestra, Band, or Chorus	1	1	1
	12	11	12

**The last four (4) hours of piano for the elementary music education major will be concerned primarily with a functional approach to keyboard study.

Senior

EPY 374—Educational Psychology	3		
EPY 370 or 372—Psychology of Human Growth and Development		3	
HTH 101—Health	3		
PA 111—Public Address	3		
PS 101—Political Science		3	
THE 459—Music Theatre Production		3	
Voice or Instrument	2		
MUS 456—Choral Arranging		2	
APM 181, 182, or 183—Orchestra, Band, or Chorus	1	1	
CIS 313—Principles of Teaching in High School			3
CIS 493—Student Teaching			9
	12	12	12

MUSIC EDUCATION MAJOR

Instrumental

(Leading to degree of Bachelor of Music Education)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
ENG 200, 201, or 202—English Elective			3
HIS 101, 102, or 140, 141	3	3	
MUS 131—Survey of Music Literature			3
Physical Education or ROTC/AFROTC	1	1	
Major Instrument	1	1	1
APM 101, 102, 103—Piano	1	1	1
APM 181 or 182—Orchestra or Band	1	1	1
	13	13	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
ENG 200, 201, or 202—English Elective	3		
FS 104, 105*—Physical Science I and II	3	3	
FS 106—Biological Science I			3

MAT 100 or 101—Mathematics		3	
PSY 110—Psychology			3
MED 221, 222—String Class		1	1
APM 201—Piano	1		
Major Instrument	1	1	1
APM 281 or 282—Orchestra or Band	1	1	1
	14	14	14

*MUS 420—**Acoustics**—may substitute for FS 105.

Junior

MUS 401—Instrumentation	3		
MED 311—Elementary Music Methods	3		
MED 312—Secondary Music Methods		3	
MED 412—Instrumental Methods and Curriculum Problems			3
MED 331, 332, 333—Conducting	1	1	1
MED 421, 422—Woodwind Class		1	1
FS 107—Biological Science	3		
MED 301—Voice Class		2	
EPY 374—Educational Psychology			3
Major Instrument	2	2	2
Minor Instrument	1	1	1
APM 381 or 382—Orchestra or Band	1	1	1
	14	11	12

Senior

HTH 101—Health	3		
PA 111—Public Address	3		
PS 101—Political Science		3	
EPY 370 or 372—Psychology of Human Growth and Development		3	
MED 425, 426—Brass Class	1	1	
MED 427*, 428—Percussion Class	1	1	
Major Instrument	2	2	
APM 481 or 482—Orchestra or Band	1	1	
CIS 313—Principles of Teaching in High School			3
CIS 493—Student Teaching			9
	11	11	12

*Percussion majors may substitute a brass, string, or woodwind minor instrument for Percussion Class MED 427.

MUSIC EDUCATION MAJOR

Keyboard (Piano-Organ)

(Leading to degree of Bachelor of Music Education)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
ENG 200, 201, 202—English Elective			3
HIS 101, 102, or 140, 141—History	3	3	
MUS 131—Survey of Music Literature			3
Physical Education or ROTC/AFROTC	1	1	
APM 101, 102, 103—Piano	1	1	1
APM 161, 162, 163—Voice	1	1	1
APM 183—Chorus	1	1	1
	13	13	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
ENG 200, 201, 202—English Elective	3		
FS 104, 105*—Physical Science I and II	3	3	
MAT 100 or 101—Mathematics		3	
FS 106—Biological Science I			3
PSY 110—Psychology			3
APM 201, 202, 203—Piano	1	1	1
APM 261, 262, 263—Voice	1	1	1
APM 283—Chorus	1	1	1
	14	14	14

*MUS 420—Acoustics—may be substituted for FS 105.

Junior

MUS 401—Instrumentation	3		
MED 311—Elementary Music Methods	3		
MED 312—Secondary Music Methods		3	
MED 411—Choral Methods and Curriculum Methods			3
MED 331, 332, 333—Conducting	1	1	1
MED 321—String Methods	1		
MED 322—Woodwind Methods		1	
MED 323—Brass Methods			1
THE 341—Opera Workshop			1
FS 107—Biological Science II		3	
APM 301, 302, 303—Piano	2	2	2
APM 361, 362, 363—Voice	1	1	2
APM 383—Chorus	1	1	1
	12	12	11

Senior

EPY 374—Educational Psychology	3		
EPY 370 or 372—Psychology of Human Growth and Development		3	
HTH 101—Health	3		
PA 111—Public Address	3		
PS 101—Political Science		3	
THE 459—Music Theatre Production		3	
APM 401, 402—Piano	1	1	
APM 461, 462—Voice	2	2	
APM 483—Chorus	1	1	
CIS 313—Principles of Teaching in High School			3
CIS 493—Student Teaching			9
	13	13	12

MUSIC EDUCATION MAJOR

Voice

(Leading to degree of Bachelor of Music Education)

Freshman

MUS 101, 102—Music Theory	3	3	
MUS 201—Advanced Music Theory			3
ENG 101, 102—English	3	3	
ENG 200, 201, or 202—English Elective			3
HIS 101, 102, or 140, 141	3	3	

MUS 131—Survey of Music Literature			3
Physical Education or ROTC/AFROTC	1	1	
APM 101, 102, 103—Piano	1	1	1
APM 161, 162, 163—Voice	1	1	1
APM 183—Chorus	1	1	1
	13	13	12

Sophomore

MUS 202—Advanced Music Theory	3		
MUS 301—20th Century Harmony		3	
MUS 302—Form and Analysis			3
MUS 231, 232, 233—History of Music	2	2	2
ENG 200, 201, or 202—English Elective	3		
FS 104 and 105*—Physical Science I and II	3	3	
FS 106—Biological Science I			3
MAT 100 or 101—Mathematics		3	
PSY 110—Psychology			3
APM 201, 202, 203—Piano	1	1	1
APM 261, 262, 263—Voice	1	1	1
APM 283—Chorus	1	1	1
	14	14	14

*MUS 420—**Acoustics**—may substitute for FS 105.

Junior

MUS 401—Instrumentation	3		
MED 311—Elementary Music Methods	3		
MED 312—Secondary Music Methods		3	
MED 411—Choral Methods and Curriculum Problems			3
MED 331, 332, 333—Conducting	1	1	1
MED 321—String Methods	1		
MED 322—Woodwind Methods		1	
MED 323—Brass Methods			1
MED 450—Vocal Pedagogy		2	
FS 107—Biological Science II			3
MED 341—Opera Workshop			1
APM 301, 302—Piano	1	1	
APM 361, 362, 363—Voice	2	2	2
APM 383—Chorus	1	1	1
	12	11	12

Senior

EPY 374—Educational Psychology	3		
EPY 370 or 372—Psychology of Human Growth and Development		3	
HTH 101—Health	3		
PA 111—Public Address	3		
PS 101—Political Science		3	
THE 459—Music Theatre Production		3	
APM 461, 462—Voice	2	2	
APM 483—Chorus	1	1	
CIS 313—Principles of Teaching in High School			3
CIS 493—Student Teaching			9
	12	12	12

DEPARTMENT OF THEATRE ARTS (THE—685)

I. Blaine Quarnstrom, Chairman

Amacker, Crook, Hartwig, R. B. Hill, Mesrobian

Students choosing to major in theatre or dance should follow the appropriate curriculum outline.

A student seeking the Bachelor of Fine Arts degree in theatre should choose electives (with the help of his adviser), from art, music, dance, and dramatic literature. It is recommended that students whose interests lie in theatre design register for at least one class in general drawing and, in addition, ART 111, 112, 113.

The Bachelor of Fine Arts Teacher Certification Program is designed for students who wish to teach at the secondary school level. These students will choose their electives from the Department of Communication or the Department of English. The department will assist the student in planning his courses.

A minor program is available in theatre. The department will cooperate with the student's major professor in planning the appropriate courses.

For information concerning Master of Arts and Master of Fine Arts degrees consult the **Graduate Bulletin.**

DANCE MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Freshman

English 101, 102		3	3
Music 165—Enjoyment of Music		3	
Theatre 150, 151, 152—Modern Dance Technique and Composition	2	2	2
History 101, 102	3		3
Social Science Elective	3		
Theatre 155—Dance Repertory	1	1	1
Biology 101, 102		4	4
Elective	3		
	12	13	13

Sophomore

Social Science Elective		3	3
Public Address 111			3
Theatre 250—Ballet Technique	2		
Theatre 258—Modern Dance Technique and Survey	2	2	2
Theatre 259—Intermediate Dance Composition		2	
Theatre 255—Dance Repertory	1	1	1
Theatre 200—Stagecraft	3		
Theatre 306—Scene Design		3	
Theatre 120—Fundamentals of Acting	3		
Theatre 204—Stage Makeup			2
Theatre 356, 357—Dance History		3	3
Theatre 253—Dance Improvisation	2		
PE 382—Folk, Contra, Round Dances	1		
	14	14	14

Junior

Mathematics	3		
Theatre 359—Advanced Composition	2		
Theatre 358—Modern Dance Technique and Theory	2	2	2
Health 315—Anatomical Structures Related to Movement			3
Theatre 355—Dance Repertory	1	1	1
Theatre 468—Musical Theatre Dance		2	
Theatre 470—Senior Dance Production			3
Theatre 465—Music Resources for Dance		2	
Theatre 466—Dance Lecture and Demonstration		3	
Theatre 401—History and Design of Costumes			3

Theatre 370—Methods of Teaching Dance		3	
Theatre 125—Movement for the Actor	2		
Electives	3		
	13	13	12

Senior

Theatre 412—Stage Lighting	3		
Art 334—History of Art	3		
Theatre 455—Dance Repertory	1		
Theatre 427—History of Theatre	3		
Electives	3		
	13		

TEACHER CERTIFICATION MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Freshman

English 101, 102	3	3	
History 101, 102		3	3
Political Science 101			3
Theatre 103—Introduction to Theatre	3		
Theatre 111—Fundamentals of Oral Interpretation		3	
Theatre 120—Fundamentals of Acting			3
Theatre 100, 101, 102—University Theatre	1	1	1
Public Address 210	3		
Physical Education or ROTC/AFROTC	1	1	
Fundamentals of Science 104, 105		3	3
	11	14	13

Sophomore

Mathematics			3
Allied Arts 100	3		
English 200, 201, 203 (any two)	3	3	
Psychology 110		3	
Fundamentals of Science 106, 107	3	3	
Health 101			3
Public Address 111			3
Theatre 200—Stagecraft	3		
Theatre 220, 221, 222—University Theatre	1	1	1
Electives (English* or Speech)		3	3
	13	13	13

Junior

Foundations of Education 300	3		
Educational Psychology 374		3	
Human Growth and Development EPY 372		3	
Theatre 204—Makeup			2
Theatre 301—Reader's Theatre			3
Theatre 320—Directing	3		
Theatre 420—Advanced Directing		3	
Theatre 330, 331, 332—University Theatre	1	1	1
Theatre 427, 428, 429—Theatre History	3	3	3
Theatre 401—History and Design of Costumes			3
Elective (English* or Speech)	3		
	13	13	12

Senior

Test and Measurements CIF 469	3		
Principles of Teaching in High School CIS 313		3	

Student Teaching CIS 484 or 489			9
Methods of Teaching (Speech or English) CIS 454 or 459	3		
Theatre 412—Stage Lighting	3		
Theatre 450, 451—University Theatre	1	1	
Electives (English* or Speech)	3	6	
	13	10	9

*REQUIRED: Public Address 111 plus 27 hours of English including one course from each of the following: American literature, English literature, Shakespeare, advanced grammar.

THEATRE MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Freshman

English 101, 102	3	3	
Humanities and Fine Arts Core Electives		3	3
Theatre 103—Introduction to Theatre	3		
Theatre 111—Fundamentals of Oral Interpretation		3	
Theatre 120—Fundamentals of Acting			3
Theatre 100, 101, 102—University Theatre	1	1	1
Theatre 125—Movement for the Actor			2
Public Address 210	3		
Mathematics			3
Physical Education or ROTC/AFROTC	1	1	
Elective	2	2	1
	13	13	13

Sophomore

Science Electives	3	3	
Social Science Core Electives	3		3
Theatre 140—Vocal Techniques for the Actor-Singer		2	
Theatre 200—Stagecraft	3		
Theatre 306—Scene Design		3	
Theatre 401—History and Design of Costumes			3
Theatre 204—Makeup			2
Theatre 220, 221, 222—University Theatre	1	1	1
Theatre 240—Mime and Pantomime			2
Electives	3	3	2
	13	12	13

Junior

Social Science Core Elective	3		
Theatre 492—Problems in Theatre I		2	
Theatre 320—Directing	3		
Theatre 420—Advanced Directing		3	
Theatre 301—Reader's Theatre			3
Theatre 417—Advanced Acting		3	
Theatre 459—Music-Theatre Production			3
Theatre 427, 428, 429—Theatre History	3	3	3
Theatre 330, 451, 452—University Theatre	1	1	1
Electives	3	1	3
	13	13	13

Senior

Theatre 412—Stage Lighting	3
Theatre 450—University Theatre	1
Theatre 492—Problems in Theatre II	2
Electives	6
	12

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

William Theodore Schmidt, Dean

ORGANIZATION

The School of Health, Physical Education, and Recreation is organized into four departments: Athletic Administration and Coaching, Health, Physical Education, and Recreation. The School offers a Bachelor of Science Degree in several fields of specialization administered by the departments of the School. Departmental advisers will assist in the task of selecting courses appropriate to the student's field of interest. Consult the **Graduate Bulletin** for post-baccalaureate programs.

PURPOSE

The primary purpose of the School of Health, Physical Education, and Recreation is to educate future leaders in the broad fields of athletic administration and coaching, health, physical education, and recreation. In addition, the School provides opportunities for all members of the University to participate in programs or elective courses which will contribute to their education, health, and general well-being.

ADMISSION

High school graduates who are admitted to the University of Southern Mississippi as beginning freshmen will be admitted directly to the School of Health, Physical Education, and Recreation. Transfer students will be admitted to the School upon admittance to the University under regulations specified elsewhere in the catalog. Students desiring to transfer to the School from another academic unit within the University must be in good standing academically and must have successfully completed some courses which indicate they will succeed within the School.

REQUIREMENTS

Students admitted to the School of Health, Physical Education, and Recreation are required to enroll in a major program in one of the specialized fields administered by the academic departments of the School.

Students admitted to the School of Health, Physical Education, and Recreation are especially encouraged to supplement their chosen training program by taking a selection of courses which will help them develop their community leadership potential. These might include courses in public address, communication, creative and professional writing, management, and human relations.

Students admitted to the School of Health, Physical Education, and Recreation who plan to seek teacher certification must have their professional program approved by the Dean of the College of Education and Psychology.

Physical education activity courses are required of all students during the freshman year. Students who complete Military Science I or Aerospace Studies I are excused from this requirement. Marching Band members (Fall Quarter), Dixie Darlings (Fall Quarter), and Pom Pon Girls (Winter Quarter) will be excused from this requirement during one quarter each year of participation. Varsity athletes will be excused from this requirement while participating in varsity sports.

For the Bachelor of Science degree the following courses must be taken as a part of or in addition to the General Core Curriculum.

	Hours
English 101, 102, 201, 332	12
Fine Arts	3
Geography 103	3
Health 101 (cannot be counted toward health and physical education major)	3
Health 311	3
History 140, 141	6
Mathematics 100	3
Physical Education or ROTC	2-3
Political Science 101	3
Psychology 110	3
Public Address 111	3
*Science (6 hours physical science, 6 hours biological science)	12

*Recreation majors require only 6 hours of science

Please note that departments may have additional core requirements. Students should consult with department chairmen to determine total requirements for departmental programs.

In order to be granted a degree from the School of Health, Physical Education, and Recreation, students must satisfy all other pertinent requirements specified in this catalog.

DEPARTMENT OF ATHLETIC ADMINISTRATION AND COACHING

M. C. Johnson, Chairman

J. R. Carpenter, Dunaway, R. Grantham, E. L. Harrington, Ladner, Martin, C. J. Taylor

The Department of Athletic Administration and Coaching administers two undergraduate educational programs. These programs are designed to accomplish the following objectives:

1. To train athletic administrators and coaches for secondary schools.
2. To provide specialized training for certification in aquatics.

ATHLETIC ADMINISTRATION AND COACHING PROGRAM 1—**A Major Program for the Bachelor of Science Professional Degree in Athletic Administration and Coaching. Teaching certification will be in Health and Physical Education.**

The purpose of this program is to provide specialized training for teachers who will administer and coach athletics in addition to their teaching responsibilities in secondary schools. The program requires a total of forty-two (42) hours in the major field areas: twenty-seven (27) hours of physical education courses taken in either the Department of Athletic Administration and Coaching or the Department of Physical Education, and fifteen (15) hours of health courses taken in either the Department of Athletic Administration and Coaching or the Department of Health. An additional two (2) hour course taught in the School of Home Economics by the Department of Food and Nutrition is recommended. Students must also complete their professional requirements for secondary education, the general education requirements for secondary teachers, and the secondary teachers certification program. For details concerning professional requirements for secondary teachers, consult the College of Education and Psychology Section in the catalog.

Courses required by the Department of Athletic Administration and Coaching are listed below:

PHYSICAL EDUCATION: 301, 373, 402, 470, 471. Elect from other physical education courses to equal twenty-seven (27) hours.

HEALTH: 315, 370, 371, 440, 443. The following courses are recommended: HTH 341, HTH 444, Food and Nutrition 360.

Four (4) hours taken from the following courses may be used to satisfy partially the twenty-seven (27) hour physical education requirement.

PHYSICAL EDUCATION: 270, 271, 272, 273, 274, 275.

Electives may be selected in order to complete a total of 128 hours.

ATHLETIC ADMINISTRATION AND COACHING PROGRAM 2—**Certification Program in Aquatics.**

The purpose of these programs is to train students to meet American National Red Cross Water Safety certification requirements.

PROGRAM 2A—**The Senior Life Saving and Water Safety Certificate.**

Issued by the University of Southern Mississippi for the American National Red Cross upon the completion of PE 472.

PROGRAM 2B—**The Water Safety Instructors (WSI) Certificate.**

Issued by the University of Southern Mississippi for the American National Red Cross upon the completion of PE 472 and PE 473.

PROGRAM 2C—**Certification Program in Swimming Pool Administration.**

Issued by the University of Southern Mississippi upon the completion of PE 376, PE 472, and PE 473.

DEPARTMENT OF HEALTH (HTH—715)

Wilbur L. Carr, Chairman

Barnes, M. A. Brown, Carlson, McCarver
Switzer, Webb, Yarrow

The Department of Health provides three educational programs. These programs are designed to meet the following objectives:

1. To train health and physical education teachers for secondary schools.
2. To provide specialized training for certification in safety and driver education.
3. To provide specialized training for certification in general and instructor's first aid.

HTH PROGRAM 1—**A Major Program for the Bachelor of Science Professional Degree in Health and Physical Education with an Emphasis in Health.**

The purpose of this program is to prepare students to teach health and physical education in secondary schools.

The program requires a minimum total of forty-two (42) semester hours in the major field areas: twenty-seven (27) hours in health courses, and fifteen (15) hours in physical education courses. Students must also successfully complete the general education and professional requirements in secondary education. For details concerning professional requirements for secondary teachers consult the College of Education and Psychology Section of this catalog.

Courses required by the Department of Health are listed below.

HEALTH: 210, 315, 321 or 421, 341, 411, 412, 415, 420, 430

PHYSICAL EDUCATION: 220, 323 or 324, 401, 402, 420

Electives may be selected in order to complete a total of 128 hours.

HTH PROGRAM 2—**A Certification Program in Safety and Driver Education**

The purpose of this program is to train students to teach safety and

driver education courses in secondary schools. Professional certification for secondary schools can be obtained by completing the following courses listed below:

HEALTH: 341, 440, 443, and three semester hours from HTH 311, 370, 441, 442, 444, or CJ 200, 305.

HTH PROGRAM 3—**Certification Programs in First Aid**

The purpose of these programs is to train students to meet American Red Cross certification requirements.

PROGRAM 3A-HTH 310—**First Aid Certificate.** Issued by the University of Southern Mississippi for the American Red Cross upon successful completion of the standard first aid course.

PROGRAM 3B-HTH 311—**First Aid and Instructor's Certificate.** Issued by the University of Southern Mississippi for the American Red Cross on completion of requirements for the standard first aid certificate and the advanced and instructor first aid course.

DEPARTMENT OF PHYSICAL EDUCATION (PE—730)

J. William Larson, Chairman

Babin, Heavern, Hjermstad, Hannan, May
Milam, Slay, Talley, Townley

The Department of Physical Education administers four educational programs designed to meet the following objectives:

1. To prepare physical education and health teachers for careers of their choice in the total educational setting.
2. To qualify physical education and health majors for certification as Corrective Therapists.
3. To provide opportunities for the entire University community to develop leisure time skills.
4. To provide opportunities for students and faculty to participate in an intramural-extramural program.

PE PROGRAM 1—**A Professional Program Leading to the Bachelor of Science Degree in Physical Education and Health.**

The purpose of this program is to train future health and physical educators for the public schools. The program requires a total of forty-three (43) hours in the major field areas: twenty-eight (28) hours in physical education professional courses, and fifteen (15) hours in health courses. Students must also successfully complete the professional requirements in secondary education, the general education requirement for secondary teachers, and the secondary teachers certification program. For details concerning professional requirements for secondary teachers consult the College of Education and Psychology Section of this catalog.

Courses required by the Department of Physical Education are listed below:

PHYSICAL EDUCATION: 46, 47, 48, 220, 301, 303, 402, 426.
For Men: 323, 420, 421.
For Women: 314, 324, 326.

HEALTH: 315, 370, and select 6 hours from the following health courses: 341, 410, 411, 440, 443, 444.

PE ELECTIVES: With the aid of the adviser the balance of 28 hours is selected from professional physical education courses.

University-wide electives may be selected in order to complete 128 hours.

PE PROGRAM 2—**A Professional Program Leading to the Bachelor of Science Degree in Physical Education and Health With Certification in Corrective Therapy.**

The purpose of this program is to train future health and physical educators for the public schools. In addition, the program provides for certification in corrective therapy. This program requires thirty-three (33) hours in the major field areas: Twenty-one (21) hours in physical education professional courses, twelve (12) hours in health courses. Students must also successfully complete the professional requirements in secondary education, the general education requirement for secondary teachers, and the secondary teachers certification program. For details concerning professional requirements for secondary teachers consult the College of Education and Psychology Section of this catalog.

Upon completion of the on-campus requirements, two quarters of work are required at the Veterans Administration Center, Biloxi, Mississippi. The successful completion of the National CTA examination will then satisfy the requirements for Corrective Therapy Certification.

Courses required by the Department of Physical Education are listed below:

PHYSICAL EDUCATION: 46, 47, 48, 220, 301, 303, 402, 426.

HEALTH: 370, 315

PSYCHOLOGY: 231, 436, 450 (prerequisites for the therapy program.)

Electives may be chosen from: PE 323, 314, or Health 341, 410, 411, 440, 443, 444.

Therapy (THY) (Courses offered at Biloxi)

301—**Research I, II, III.** One hour. Quarterly.

Research in the area of rehabilitation theory and its application.

421—**Clinical Experience.** One to six hours. (May be repeated). Quarterly.

Lectures and supervised internship in various rehabilitation theories and their applications.

431, 432, 433—**Rehabilitation Theory and Application.** Four hours each. Quarterly.

Lectures, directed clinical work, and research in rehabilitation theory and its application.

441, 442, 443—**Psychology of Rehabilitation.** Four hours each. Quarterly.

The approach to rehabilitation as it involves the individual in the mental and physical phases of readjustment.

453—**Supervision of Therapy and its Application.** Twelve hours. Quarterly.

PE PROGRAM 3—**The Service Program**

This program is designed to contribute to the general education of all students. In the 100 level service courses students learn basic physical skills which may be applied in the intramural program or during other times of leisure. The upper level service courses are to provide depth in a particular area of interest. All students required to take physical education courses must elect two (2) activity courses listed at the 100 level.

PE PROGRAM 4—**An Elective Program of Intramural Activities**

This program is designed to provide students and faculty members with opportunities to participate in recreational activities on a competitive basis. For details concerning this program consult the **Intramural Handbook** published annually by the Department of Physical Education.

DEPARTMENT OF RECREATION (REC—745)

Raymond L. Busbee, Chairman

J. B. Brechtel, Haley, Lee, Nesbitt, Schmidt

The Department of Recreation offers programs in six areas of specialization. All programs require the completion of a series of departmental or inter-departmental courses and lead to a Bachelor of Science degree with a major in recreation and concentration in the particular specialization.

DEPARTMENTAL CORE REQUIREMENTS

All students majoring in recreation will be required to complete a series of basic recreation courses. The required courses are: REC 200, 201, 202, 402, and 403.

REC PROGRAM 1—**Park and Recreation Administration**

This program provides a curriculum with concentration on executive development for students interested in career work at the administrative and executive levels in city, county, or regional recreation, and/or park departments.

Courses required are: REC 413, 415, 417, 419, 426, and 438.

Other courses required are: CSS 100, COM 200, ACC 201, SOC 301, PS 402, ECO 480, and GHY 484.

Electives may be selected in order to complete a total of 128 hours.

REC PROGRAM 2—**Community and Municipal Recreation**

This program provides a curriculum for students interested in career work as administrators, supervisors, or leaders with city and county recreation departments and youth-service organizations.

Courses required are: REC 322, 323, 413, 415, 422, 424, and 426.

Other required courses are: SOC 310, 311, MGT 360, and PS 402, 470.

Electives may be selected in order to complete a total of 128 hours.

REC PROGRAM 3—**Park and Recreation Planning**

This program provides a curriculum with concentration in planning for students who desire career work with local, regional, state, or federal agencies as park and recreation planning specialists. Such recreation specialists prepare master and comprehensive plans, site and facility layouts and designs, and funding programs.

Courses required are: REC 417, 432, 434, 436, 438, and 441.

Other courses required are: CSS 100, GHY 210, 370, 465, PHI 253, ITE 392, and PS 470.

Electives may be selected in order to complete a total of 128 hours.

REC PROGRAM 4—**Outdoor Recreation and Resources Management.**

This program provides a curriculum with concentration in park and recreational resource management for students who are interested in career work as park managers, park rangers, outdoor recreation and education specialists, and interpreters.

Courses required are: REC 342, 417, 432, 436, 441, 443, 447.

Other courses required are: BIO 101, 102, GHY 370, 471, 472, and ECO 480.

Electives may be selected in order to complete a total of 128 hours.

REC PROGRAM 5—**Therapeutic Recreation**

This program provides a curriculum for students interested in working as recreational therapists in hospitals, mental and corrective institutions, rehabilitative centers, retirement villages, or in special education centers.

Courses required are: REC 322, 323, 342, 419, 424, 451, and 452.

Other courses required are: PSY 436, CIF 336, SOC 230, 424, SPE 431, 441, and MED 382.

Electives may be selected in order to complete a total of 128 hours.

REC PROGRAM 6—**Leisure Studies**

This option is designed for the student who does not wish to pursue a professional career in recreation, but rather wishes to strengthen his general education in the area of contemporary leisure values and philosophies. Students in this program will not be required to complete the recreation fieldwork requirement, REC 403, or the **Undergraduate Seminar,** REC 402. A curriculum for students electing this option will be tailored to their individual needs and interests by consultation with their departmental adviser.

Courses required are: REC 323, 413, 432, 443, and 451.

Other courses required are: ANT 211, HTH 430, MUS 165, MED 382, PHI 151, 457, HIS 441, SOC 314, PSY 231.

Electives may be selected in order to complete a total of 128 hours.

SCHOOL OF HOME ECONOMICS

Sarah L. Weaver, Dean

PURPOSE

The curricula and courses in the School of Home Economics are planned to place major emphasis on improving family life. Students are prepared to assume responsibilities in areas related to the various aspects of living concerned with the environment of the individual, the family, and the community.

ORGANIZATION

The School of Home Economics is divided into four departments; Environmental Design, Family Life Services, Food and Nutrition, and Home Economics Education. Each of these departments presents a Bachelor of Science degree. Two-year schedules which lead to a certificate are offered to School Lunch Managers and Head Start and Day Care Center Directors.

CURRICULUM: SCHOOL CORE

The core curriculum for the Bachelor of Science degree as outlined below is to be followed by the student who pursues any major in the School of Home Economics.

	Hours
English	
English 101, 102	6
Humanities and Fine Arts	
History 101, 102 or 140, 141	6
ART 111 or ARE 107	3
Mathematics	
Mathematics 100 or 101	3
Other Courses	
Public Address 111	3
Physical Education or ROTC/AFROTC or approved substitute	2
Science (Refer to major for specific requirements)	6
Social Science	
Political Science 101, Sociology 101, Psychology 110	9
Clothing and Textiles 131	3
(Not required of institution management majors)	
Food and Nutrition 163, 261	6
Home Economics Education 111	1
(Not required of transfer students or students majoring in institution management)	
Total	44 to 48

CURRICULUM MAJORS

The curriculum requirements for majors are outlined under the respective sub-titles below.

OFFERINGS FOR NON-MAJORS

Students may earn a minor in home economics by selecting nineteen (19) hours of work from the various departments. Courses may be selected for electives. Non-majors may take courses without taking the prerequisites with permission from the instructor.

DEPARTMENT OF ENVIRONMENTAL DESIGN (C&T—810) (EVD—812)

Jewel Golden, Chairman

Humphries, E. Davis

Two majors are currently offered in the Department of Environmental Design. They are clothing and textiles and clothing merchandising. The department also serves the clothing and textiles needs of other majors in the School of Home Economics and provides elective courses for non-majors.

Each curriculum offers information and experiences that will enable students to solve more satisfactorily their personal and family—or potential family—clothing and household textile problems. Professional opportunities abound in fashion, teaching, research, extension, and communications.

Clothing and textiles majors find positions mainly through work with textile, fabric, and pattern companies, consumer education jobs with manufacturers, and in writing for magazines, newspapers, radio, and television, depending upon the specialized preparation and interest of the individual student. An adviser helps students select background courses for specialized areas. Some students enter the teaching field.

The clothing merchandising curriculum provides basic courses in clothing, textiles, economics, business, and field experience. With this background, graduates are prepared to move into executive training programs offered by large department stores throughout the country. Such training programs lead into positions as buyers, training supervisors, fashion coordinators, comparison shoppers, radio and television script writers, and numerous other jobs involving some aspect of retailing.

CLOTHING AND TEXTILES

Suggested Minors: Art, Business, Chemistry, Communication

		Hours
General and School Cores		48
Required science: 6 hours of physical science or biology or chemistry, depending on choice of minor.		
Major and School Requirements		51
C & T 332, 330 or 334, 333, 335, 430, 431, 432, 435, 437	27	
HHM 340, 345, 442, 443	13	
CD 350	3	
F & N 362	3	
MFL 150, 351	5	
Other Requirements		3
ECO 256		
Minor Area		18
Electives		8
Total		128

CLOTHING MERCHANDISING

Minor: General Business

		Hours
General and School Cores		48
Required sciences: 6 hours of physical science or biology or chemistry		
Major and School Requirements		39
C&T 330 or 334, 332, 333, 335, 435, 437	18	
CD 350	3	

F&N 362	3	
MFL 150, 351	5	
HHM 340, 442, 443*	10	
Other Requirements		9
ART 107	3	
PSY 251	3	
ECO 256	3	
Minor Requirements		25
ACC 201, 202	6	
MKT 320, 333, 342, 355	12	
Elect 3 hours FIN, MKT, or BED	3	
C&T 439	4	
Electives		7
Total		128

*Men may substitute HHM 345 for this course.

DEPARTMENT OF FAMILY LIFE SERVICES (CD—805) (HHM—825) (MFL—830)

Altra H. Hamman, Chairman

Campbell, Chichester, Lancaster, H. L. Rogers, Tuggle

The Department of Family Life Services offers the Bachelor of Science degree in child development, home economics in equipment, and general home economics. A two-year course in child development which leads to a certificate is offered for Head Start and Day Care Center Directors.

NURSERY SCHOOL

The University Nursery School was established in 1929 as a unit within the School of Home Economics to provide a laboratory in which students might observe the development and relationships of a group of normal, healthy, young children and participate in directing the various nursery school activities. The school accommodates children between the ages of three and five years. It operates on a half-day schedule from 8:30 to 11:45 in the morning, five days a week, throughout the year.

The daily program is planned to create an environment rich in possibilities for developing the child's mental, physical, and social self as well as attaining a greater degree of emotional maturity. The enrollment is made up of an equal number of boys and girls in the various age groups from town, faculty, and student families.

The Nursery School, which was the first to be established in Mississippi, is located on the first floor of the Home Economics Building. It has ample space indoors and a large porch and fenced-in play area outdoors. In both space and equipment it meets high standards. The climate permits outdoor play the year round. Requests for registration must be filed with the Director of the Nursery School well in advance of the time the child is to be enrolled. Any child who meets the age and development requirements may qualify.

INFANT DEVELOPMENT CENTER

The Infant Development Center, the newest child development laboratory, provides learning experiences in observation and participation with children less than three years of age. Students are able to see and to work with two-year-olds in a morning play group and to help care for infants who are given all day care. This Center increases the opportunities for home economics majors to observe, study, and participate

with children from babyhood through preschool years. The child development program enriches the home economics major by providing learning experiences that develop competencies in understanding infants and young children.

CHILD DEVELOPMENT

		Hours
General and School Cores		47 to 48
Science required: FS 104, 105		
Major and School Requirements		43
MFL 150, 351	5	
CD 350, 351, 450, 451, 452, 453, 454, 455	25	
F&N 362	3	
HHM 442, 443	7	
C&T 332	3	
Other Requirements		23
EPY 370	3	
HTH 101, 310	5	
CIE 317, 403	6	
ARE 309	3	
MED 361	3	
SCE 432	3	
Electives		15 to 14
Total		128

TWO-YEAR CERTIFICATE COURSE IN CHILD DEVELOPMENT

The two-year schedule of courses which leads to a certificate is planned for Head Start teachers and Day Care Center directors. The program includes general education courses as well as those designed to add to the special preparation of the individual who plans to direct or teach in a preschool center.

TWO-YEAR CERTIFICATE COURSE IN CHILD DEVELOPMENT

		Hours
General Education		29
ENG 101, 102	6	
PA 111	3	
PS 101	3	
PSY 110, EPY 370	6	
SOC 101	3	
HTH 101, 310	5	
SCE 432	3	
Home Economics		18
CD 350, 351, 359 I, II, III, 450, 451, 452, 453 (choice)	15	
F&N 272	3	
Recommended Electives		17
CIE 309, 311, 317, 330, 414, 425; MAT 100, 318; ARE 107; MED 361; F&N 362; MFL 150, 351; SPE 491; PE.		
Total		64

HOUSING AND HOME MANAGEMENT (HHM—825)

The increasing opportunities for home economists in business with utility companies and manufacturers of equipment for the home have

created many positions for those with the necessary educational background. The major, home economics in equipment, is designed for those preparing for such careers.

HOME ECONOMICS IN EQUIPMENT

		Hours
General and School Cores		47 to 48
Science required: BIO 101, MIC 101		
Major and School Requirements		60
CD 350	3	
C&T 332, 330 or 334, 431	9	
F&N 362, 370, 430	8	
HEE 301, 302, 401, 402	13	
HHM 340, 345, 441, 442, 443	22	
MFL 150, 351	5	
Other Requirements		9
RTF 271	3	
PA 210	3	
MKT 330	3	
Electives		12 to 11
Total		128

MARRIAGE AND FAMILY LIFE (M&FL—830)

Marriage today is becoming widely recognized as the most important vocation for which young people can prepare.

The primary objective of the marriage and family life curriculum is to assist college students to grow into intelligent, effective, and satisfying family members in their own homes. The vast majority of youth today marry and establish homes of their own. There is grave evidence of the need for giving intelligent and functional guidance to these young people in order that their homes can be satisfying and lasting. Although the basic emphasis of the curriculum is learning to become a good marriage partner and parent, it also qualifies the student for some avenues of employment for additional income and/or as a means of self-expression.

There is one major, general home economics, which incorporates undergraduate marriage and family life courses in the home economics core.

GENERAL HOME ECONOMICS

		Hours
General and School Cores		47 to 48
Science required: BIO 101, MIC 101		
Major and School Requirements		41
CD 350, 450	6	
C&T 332, 330, or 334, 333	9	
F&N 362, 370	5	
HEE 302	3	
HHM 340, 345, 442, 443	13	
MFL 150, 351	5	
Other Requirements		9
ECO 200	3	
EPY 372	3	
HTH 101	3	
Minor Requirements		19
Electives		12 to 11
Total		128

DEPARTMENT OF FOOD AND NUTRITION (F&N—815)

Margaret McCarthy, Chairman

Hesson, Weaver, Wilgus

This area provides courses in foods, nutrition, institution management-dietetics and institution management-commercial for undergraduate and graduate students in the School of Home Economics. Some of the basic courses may be elected by non-majors from other schools of the University or by those selecting minors in food and nutrition or institution management.

Students selecting food and nutrition as a major can prepare for positions in public health, extension, research, journalism, and commercial organizations. Positions as dietitians in hospitals, government services, or clinics are open to those who receive the Bachelor of Science degree with a major in institution management-dietetics. Students majoring in institution management-commercial can prepare for positions as food service administrators in restaurants, hotels, colleges, industry, school food service, and related fields.

Institution management-dietetics curriculum meets the academic requirements for membership in the American Dietetic Association and qualifies the student for an internship approved by the association. Institution management-commercial and food and nutrition curriculums lead to meeting academic requirements for members in the American Dietetic Association.

A two-year certificate course is available for school lunch managers. The School of Home Economics in cooperation with the State Department of Education sponsors an annual School Lunch Managers' Workshop.

Suggested minors are: for food and nutrition majors—chemistry or journalism; for institution management-dietetics majors—chemistry, general science, or health; and for institution management-commercial majors—chemistry, marketing, accounting, biology, economics, art, or management.

CHARCOAL ROOM

The Charcoal Room is a modern academic laboratory for institution management majors. The Charcoal Room is in the University Commons which is centrally located on the campus.

The facility provides good food of high quality in attractive surroundings for congenial association of faculty members, staff, and graduate students with their colleagues, guests, and families. It also offers an excellent stimulating experience and training center for institution management majors under the guidance of the institution management faculty.

INSTITUTION MANAGEMENT-DIETETICS

Minor: General Science

		Hours
General and School Cores		44
Science required: BIO 101, MIC 101 (6 hrs)		
Major and School Requirements		31
F & N 362, 370, 430, 460, 461, 470, 471, 472, 473, 474	31	
Other Requirements		38
EPY 374	3	
CHE 101, 102, 251, 252, 321	15	
BIO 221	3	
ECO 200 or 256	3	

ACC 201	3	
MGT 360	3	
MGT 364 or PSY 451	3	
HTH 101, 310	5	
Electives		15
Total		128

INSTITUTION MANAGEMENT-COMMERCIAL

Minor: Business

		Hours
General and School Cores		44
Science required: BIO 101, MIC 101 (6 hrs)		
Major and School Requirements		31
F & N 362, 370, 430, 460, 470, 471, 472, 473, 474	28	
HEE 302	3	
Other Requirements		20
CHE 101, 102, 251, 252, 321	15	
HTH 101, 310	5	
Minor Requirements		21
ACC 201	3	
ECO 200	3	
FIN 100	3	
MGT 360, 364, 454	9	
MKT 330	3	
Electives		12
Total		128

FOOD AND NUTRITION

Minor: Journalism or Chemistry

		Hours
General and School Cores		44
Science required: BIO 101, MIC 101		
Major and School Requirements		28
CD 338	3	
HHM 315	3	
MFL 150, 351	5	
F & N 362, 370, 430, 460, 461	14	
HEE 302	3	
Other Requirements		21
CHE 101, 102, 251, 252, 321	15	
ECO 256	3	
HTH 101	3	
Minor		21
Electives		14
Total		128

TWO-YEAR CERTIFICATE COURSE

A two-year schedule of courses which lead to a certificate is planned for school lunch managers. The program includes general education courses as well as those designed to add to the special preparation of the individual as a school lunch manager.

Curriculum

General Education Courses	Hours
ENG 101, 102	6
MAT 100	3

HIS (any course)	3
PSY 110	3
BIO 101	3
HTH 101	3
ART (any course)	3
HTH 310	2
MFL 150	2
ECO 200	3
English (Literature)	3
F & N 163	3
F & N 261	3
F & N 362	3
F & N 271	3
F & N 272	3
F & N 273	3
Electives	12
Total	64

DEPARTMENT OF HOME ECONOMICS EDUCATION (HEE—820)

Mary E. Faulkinberry, Chairman

Drain, Milner

The Home Economics Education curriculum includes the requirements for teacher certification as set by the Mississippi State Department of Vocational Education and qualifies graduates to teach in secondary schools under the requirements of the Federal Vocational Acts. Graduates are prepared to take places in the professional and business communities as teachers of home economics, home service directors for utility and manufacturing companies, home economist with the Cooperative Extension Service as well as employees in other agencies concerned with Consumer and Homemaking education.

HOME ECONOMICS EDUCATION

		Hours
General and School Cores		47 to 48
Science required: CHE 101, 102 (6 hours)		
Major and School Requirements		52
F&N 362	3	
CD 350	3	
C&T 330, 332, 333	9	
MFL 150, 351	5	
HHM 340, 345, 442, 443	13	
HEE 301, 302, 402, 403	19	
Other Requirements		27
HTH 101	3	
BIO 101	3	
MIC 101	3	
ENG 200 or 201 or 202 and 332	6	
EPY 372, 374	6	
CIS 313	3	
CIF 469	3	
Electives	2 to 1	
Total		128

COLLEGE OF LIBERAL ARTS

Claude E. Fike, Dean

PURPOSE

It is the purpose of the College of Liberal Arts to provide a broad cultural and educational experience; specialized disciplines in major and minor fields; and pre-professional programs. Consult the **Graduate Bulletin** for postbaccalaureate programs.

A student entering the College of Liberal Arts will be assigned to the departmental chairman of his major field for academic advisement. The specific Bachelor of Arts or Bachelor of Science degree requirements of the College of Liberal Arts are listed below. See departmental offerings for major and minor requirements.

For the **Bachelor of Arts Degree:**

	Hours
English (Twelve hours beyond ENG 100)	12
History	6
Other Courses	12
Twelve hours from the following areas (no more than three hours in any one area): **Allied Arts** or **Enjoyment of Music,** anthropology, geography, political science, philosophy, public address, sociology	
Science	6
Mathematics	3
*Foreign Language	6-9
Physical Education or approved substitute or ROTC/AFROTC	2-3

*Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six semester hours at the 200 level or above.

For the **Bachelor of Science Degree:**

	Hours
English (Twelve hours beyond ENG 100)	12
History	6
Science	12
May include Fundamentals of Science	
Mathematics	3
*Other Courses	21
Twenty-one hours from the following areas (no more than three hours from any one area): **Allied Arts** or **Enjoyment of Music,** anthropology, economics, geography, philosophy, political science, psychology, public address, sociology	
Physical Education or approved substitute or ROTC/AFROTC	2-3

*Students who certify to teach must also include PA 111 and HTH 101.

ORGANIZATION

The College of Liberal Arts is organized into eleven departments: Aerospace Studies, Anthropology, Philosophy, and Religion, Communication, English, Foreign Languages, Geography, History, Military Science, Political Science, Sociology, and Speech and Hearing Sciences. The Departments of Aerospace Studies and Military Science have no academic major or minor. Other departments offer both majors and minors.

A major and a minor in American Studies, Latin American Studies, Linguistics, and Social Studies are administered by the College of Liberal Arts and involve an interdisciplinary curriculum (see description below). A minor in Asian Studies is another interdisciplinary program in the College of Liberal Arts.

ADVERTISING PROGRAM

Birthney Ardoin, Director

The Department of Communication offers a major in advertising through an interdisciplinary program administered in conjunction with the Department of Marketing in the School of Business Administration.

The advertising major is designed to prepare students to work in advertising agencies, business, and industries that require advertising departments, or as specialists in the mass media.

Advertising majors in Liberal Arts may follow either a Bachelor of Arts or a Bachelor of Science curriculum dependent upon specialized interests. A curriculum plan should be developed with the major adviser early in the program.

Advertising majors do not have a separate minor. Majors must complete fifty-four (54) semester hours from the following recommended curriculum.

MKT 320 Principles of Marketing
MKT 342 Principles of Retailing
JOU 331 Print Media Advertising
MKT 355 Principles of Advertising
MKT 365 Consumer Behavior
RTF 330 Broadcast Advertising
RTF 311 Radio Production
RTF 440 TV Production
MKT 322 Marketing Problems
MKT 455 Advanced Advertising
MKT 424 Marketing Research
COM 417 Practicum in Advertising (May be repeated twice for credit)
COM 431 Advertising Management and Sales
RTF 270 Introduction to the Film

Elect three courses from JOU 340, JOU 460, RTF 271, RTF 371, RTF 460

Elect one course from COM 407, RTF 425

Elective courses from the following Behavioral Science listings are also recommended:

PSY 110 General Psychology
PSY 251 Applied Psychology
PSY 375 Developmental Psychology
PSY 455 Social Psychology
SOC 101 Introduction to Sociology
SOC 240 Social Problems
SOC 310 Urban Sociology
SOC 450 Social Foundations of Personality
HIS 441 American Thought and Culture
PA 311 Persuasion

The recommended minor in advertising includes: JOU 331, COM 417, COM 431, MKT 355, 322, one course from MKT 320, 342, 365, and one from MKT 424, 455, RTF 330.

AMERICAN STUDIES PROGRAM

David M. Landry, Director

The University of Southern Mississippi offers an interdisciplinary major and minor in American Studies. The program is designed for students interested in a broad liberal arts education and especially for students in secondary education who need a social science major. Also, the program would apply to pre-law students who might want to combine American Studies with political science or business.

The major requires thirty (30) semester hours and the minor requires eighteen (18) semester hours. If a student desires to have a double major then no minor is required.

The requirements for the major are:

	Hours
English: 370—American Literature I; 371—American Literature II; or any other upper level course dealing with American writers	3
History: (any U.S. History above the 100 level)	3
Political Science: (any American political science course above the 200 level)	3
Three hours each from three different areas as listed below: Geography 302—Geography of the U.S. and Canada Criminal Justice 200—Introduction to Law Enforcement Communication 200—Survey of Mass Communication Economics 310—Economic History of the U.S. Sociology (any appropriate course above 100 level) Music 432—American Music Art and Theatre—(any appropriate courses)	9
American Studies Seminar 403	3
Electives (chosen from all the above mentioned fields and approved by the director of the American Studies Program)	9
	30

The recommended courses for the minor include:

	Hours
English: 370—American Literature I; 371—American Literature II; or any other upper level course dealing with American writers	3
History: (any U.S. History above the 100 level)	3
Political Science: (any American political science course above the 200 level)	3
Three courses chosen from: Geography 302—Geography of the U.S. and Canada Criminal Justice 200—Introduction to Law Enforcement Communication 200—Survey of Mass Communication Economics 310—Economic History of the U.S. Sociology (any appropriate course above 100 level) Music 432—American Music Art and Theatre—(any appropriate courses)	9
	18

ASIAN STUDIES PROGRAM

The Asian Studies Program offers an interdisciplinary minor within the Departments of Anthropology, Philosophy, and Religion; Foreign Languages; Geography; History; and Political Science. It is primarily designed for students seeking employment in overseas positions in both governmental and commercial capacities, with the United States Government or United Nations Organizations in this or a foreign country, or else as prospective teachers.

Requirements for Minor

A minor in Asian Studies requires a total of eighteen (18) semester hours to be selected from no less than four of the following academic areas. (All courses listed below carry three hours of credit.)

Anthropology

ANT 314 Peoples and Cultures of the Orient.
ANT 411 Comparative Indo-European Studies.

Foreign Languages

FL 400 Introduction to Exotic Languages. (May be repeated for Chinese, Japanese, or any other oriental language up to a total of six hours.)

Geography

GHY 307 Geography of Asia.

History

HIS 301 Survey of the Far East.

Philosophy

PHI 352 Oriental Philosophy.

Political Science

PS 453 Far Eastern Governments and Politics.
PS 454 Middle Eastern Governments and Politics.

Religion

REL 435 Religious Literature and Thought of the Near East.
REL 437 Religious Literature and Thought of the Far East.

CRIMINAL JUSTICE STUDIES PROGRAM (CJ)

Tyler H. Fletcher, Director

Murley, Oubre

The Criminal Justice Studies Program offers an interdisciplinary major and minor for a Bachelor of Arts or Bachelor of Science degree and a graduate minor.

The objective of the program is to prepare students for public service careers in law enforcement, corrections, the courts, and related security and investigative careers in industry.

Requirements for the Major:

Twenty-one (21) hours in criminal justice studies, fifteen (15) hours each in related courses in political science and sociology, six (6) hours in related courses in anthropology, three (3) hours in drug identification, and two (2) hours in military science or physical education.

Criminal Justice Studies		**Hours**
CJ 200	Introduction to Criminal Justice	3
CJ 201	Police Administration	3
CJ 401	Practicum	3
CJ 402	Practicum	3
Advanced Electives in Criminal Justice Studies		9

Political Science		**Hours**
PS 101	American Government	3
PS 301	State and County Government	3
PS 480	United States Constitutional Law	3
PS 481	The Judicial Process	3
PS 402	Municipal Government	3

Sociology		**Hours**
SOC 101	Introduction to Sociology	3
SOC 240	Social Problems	3
SOC 310	Urban Sociology	3
SOC 341	Criminology	3
SOC 444	Juvenile Delinquency	3

Anthropology	Hours
ANT 211 General Anthropology	3
ANT 213 Physical Anthropology	3
PE/ROTC/AFROTC	2-3
Special Requirement	
PSC 440 Drug Identification	3
Total hours in the major	62
Electives	21
Remaining Core	45
	128

LATIN AMERICAN STUDIES PROGRAM

Orazio Ciccarelli, Director

The Latin American Studies Program offers: (A) an interdisciplinary major in Latin American Studies; (B) an interdisciplinary minor in Latin American Studies, (C) a major in Latin American Foreign Trade and Finance. The program is designed to prepare students for careers in government, business, teaching, or private organizations having Latin American interests. The requirements listed below are in addition to the General College Core curriculum for either the Bachelor of Arts or the Bachelor of Science degree. Students pursuing this program will be advised by the director of the Latin American Studies Program.

A. INTERDISCIPLINARY MAJOR IN LATIN AMERICAN STUDIES

	Hours
1. History 380 and 381	6
2. History 480, 481, or 482	3
3. Geography 303 or 304	3
4. Political Science 350 or 456	3
5. Political Science 434 or 458	3
Total	18

and a total of twelve (12) hours elected from courses in history, geography, political science, economics, anthropology, sociology, and geology relevant to Latin America and approved by the director of the Latin American Studies Program.

In addition, the student must complete Spanish or Portuguese studies in the Foreign Language Department relevant to Latin America equal to at least six (6) hours above the 300 level.

B. INTERDISCIPLINARY MINOR IN LATIN AMERICAN STUDIES

	Hours
1. History 380 and 381	6
2. Geography 303 or 304	3
3. Political Science 350 or 456	3
Total	12

and a total of six (6) hours elected from courses in history, geography, political science, economics, anthropology, sociology, and geology specifically related to Latin America.

A certificate of competency will be granted upon completion of the above requirements.

C. MAJOR IN LATIN AMERICAN TRADE AND FINANCE

	Hours
1. Economics 255 and 256	6
2. Accounting 201 and 202	6
3. Finance 389	3
4. Finance 472	3
5. Economics 340 and 345	6
6. Economics 330	3
7. Economics 435	3
8. Economics 470	3
9. Political Science 350 or 456	3
10. Political Science 434 or 458	3
11. History 381	3
Total	42

and a total of six (6) hours from courses in economics, finance, geography, history, political science, geology, and anthropology relevant to Latin America and approved by the director of the Latin American Studies Program.

In addition, the student must complete Spanish or Portuguese studies in the Foreign Language Department relevant to Latin America equal to six (6) hours above the 300 level.

LINGUISTIC PROGRAM

Marice C. Brown, Director

The Linguistics Program is interdisciplinary in nature and is drawn from the Departments of Communication, English, Foreign Languages, and other departments offering linguistically related courses. It is primarily designed to undergird careers calling for proficiency in the use and/or analysis of languages: the teaching of languages (including English either as a first or second language), government service, business with overseas operation, and the area of international relations. Students pursuing this program will be assigned an adviser by the director of the program.

Requirements for Major

A baccalaureate student majoring in linguistics pursuant to a Bachelor of Arts degree will take eleven courses totaling thirty-three hours. This curriculum will include eight courses (twenty-four hours) which constitute a major core and three courses (nine hours) which constitute elective credits. The student should plan his full course of study early in his college career by consultation with the director of the program or an adviser designated by the director.

Requirements for Minor

A minor in linguistics may be obtained with seven courses (twenty-one hours) of which four courses (twelve hours) in the areas of morphology, phonology, and syntax will be specified by the director of the program with the consultation of the faculty members and student involved. The remaining hours may be selected from any of the courses recommended for the major.

RECOMMENDED PRE-LAW PROGRAM

Adviser: Dr. Wilber

The requirements for admission to accredited law schools vary. A few schools require only three years of pre-law study, but most require completion of degree programs. The pre-law student should obtain a

catalog of the law school where he intends to study and use it in planning his program. Law schools expect the pre-law student to emphasize content subjects rather than skill subjects. All schools require that their students be able to express themselves well in written composition, so a student who is weak in composition should take extra courses.

The program at the University of Southern Mississippi is divided into two parts, and the pre-law student should select one.

A. The student may earn a regular baccalaureate degree from the University of Southern Mississippi. This is the usual program.

B. The student may earn a degree from the College of Liberal Arts by completing three years of pre-law study and transferring back a year of work from the law school after it is completed. Under this program the following requirements must be met:

1) A minimum of 94 hours with 188 quality points in pre-law courses must have been completed, with at least three quarters of residence at the University of Southern Mississippi.

2) All core requirements must have been met for the College of Liberal Arts

3) At least one year of law school work must be transferred back, the marks for which must average C or better. The combined total of hours at the University of Southern Mississippi and those transferred back from law school must equal 128 or more. The work from the law school must be transferred back within two years of leaving the University of Southern Mississippi.

The student's attention is invited to the following courses that might be especially helpful in preparing for law school:

History 412, 444.

Political Science 407, 480, 481, 482, 485.

Public Address 111.

The student should notice that most law schools now require an applicant for admission to have taken satisfactorily the Law School Admission Test. Some schools want this to be taken nine months before entering law school. The pre-law adviser can inform a student of the dates and places where this test is given, but the student must arrange for taking it.

SOCIAL STUDIES PROGRAM

Philip A. Kalisch, Director

The interdisciplinary major and minor in the area of Social Studies is jointly sponsored by the College of Liberal Arts and the College of Education and Psychology. This program is open to both prospective teachers as well as those students desiring a broad preparation in the social sciences. Consequently a student majoring in social studies may elect the degree program of either college. Students who plan to teach in the public schools must meet the professional certification requirements of the College of Education and Psychology. It is recommended that a student who is planning to teach the social studies in junior or senior high school take this interdisciplinary major as it more adequately prepares one to teach all the social studies courses currently offered in the public schools.

Requirements for the Social Studies Major

The social studies major requires a minimum of sixty hours, a number of which will fulfill the core curriculum requirement in the social sciences. Although no formal minor is required, prospective teachers

will necessarily complete the twenty-seven hour block in secondary education. The social studies major must complete the following program of courses:

History	Hours
HIS 101, 102 World Civilization	6
HIS 140, 141 United States History	6
HIS 341 Mississippi History	3
Elective in history	3
Political Science	
PS 101 American Government	3
PS 330 United States Foreign Policy	3
PS 301 State Government	3
Elective in political science	3
Sociology	
SOC 101 Introduction to Sociology	3
SOC 311 Rural Sociology **or** SOC 240—Social Problems	3
SOC 450 Social Foundations of Personality **or** SOC 471—Social Institutions	3
Economics	
ECO 255 Principles of Economics I	3
ECO 256 Principles of Economics II	3
Elective in economics	3
Geography	
GHY 103 Principles of Global Geography	3
GHY 223 Weather and Climate	3
Elective in geography chosen from one of the following: GHY 331, 350, 335, 341	3
Anthropology	
ANT 212 Cultural Anthropology	3

Requirements for the Social Studies Minor (non-teaching)

The minor in social studies will consist of twenty-one hours in no less than four of the six fields specified below, and a minimum of twelve hours in courses numbered 200 or above. The designated fields are history, political science, sociology, economics, geography, and anthropology.

DEPARTMENT OF AEROSPACE STUDIES (AOS—202)
(AIR FORCE ROTC)

David D. Chamberlin, Chairman

Christo, Jahnke, Lewis, Winstead

MISSION

The mission of the Air Force ROTC program is, through a college academic program, to commission career-oriented officers in response to Air Force requirements.

SCOPE OF THE PROGRAM

The Air Force Reserve Officer Training Program is an accredited part of any of the curricula of the University. Completion of AFROTC waives academic minor requirements. The General Military Course may also be substituted for physical education requirements.

REQUIREMENTS

The AFROTC program is available to men and women who can meet the following eligibility requirements.

GENERAL MILITARY COURSE: Freshmen and sophomores who are citizens of the United States and who are fully enrolled University students may elect to complete the General Military Course (GMC). The Professor of Aerospace Studies may waive GMC or portions of GMC requirements for students who have served on active duty or who have completed the junior or basic senior level ROTC programs of any military service. Requirements may also be waived for CAP training.

PROFESSIONAL OFFICER COURSE: Enrollment in the Professional Officer Course is limited to students who complete the GMC program or the alternate six week summer camp, meet age and physical requirements, pass the Air Force Officer Qualification Test, are selected by a board of Air Force Officers and enlist in the Obligated Air Force Reserves (ORS).

COMMISSIONING

Upon completing the Air Force ROTC Professional Officer Course and receiving a baccalaureate degree, cadets are normally offered a commission as Second Lieutenant, United States Air Force Reserve. It is not to be presumed that any member of the Professional Officer Course accrues a vested right to a commission by virtue of POC membership.

DESCRIPTION OF BASIC PROGRAMS

FOUR-YEAR PROGRAM: The basic four-year program is divided into two phases. The first phase is designated the General Military Course (GMC) and is normally taught during the freshman and sophomore years. The second phase is designated the Professional Officer Course (POC) and is normally taught during the junior and senior years.

The General Military Course is designed to serve as an introduction to aerospace age citizenship. It also affords students an opportunity to study the Air Force and Air Force ROTC program without incurring any military obligation. All necessary texts and a complete regulation Air Force uniform are furnished.

The Professional Officer Course is designed to develop professional officer qualities and prepare students for active duty. Students formally enrolled in the POC receive a $100.00 monthly allowance, a regulation Air Force uniform, and all AFROTC texts. Students who complete the GMC and elect to continue earning a commission by enrolling in the POC will normally attend a four-week summer camp between the sophomore and junior years.

THREE-YEAR PROGRAM: The three-year program is designed to offer USM students, enrolled in a three-year baccalaureate program, the opportunity to complete AFROTC and USM degree requirements concurrently. Students planning to earn a bachelor's degree in three years should contact the Department of Aerospace Studies for assistance in coordinating their program.

TWO-YEAR PROGRAM: The two-year program is designed to offer students, who have two academic years of undergraduate or graduate work remaining, the opportunity to earn a commission by direct enrollment in the Professional Officer Course. These students must attend a six-week summer camp prior to enrolling in the POC. However, students should note that availability of the two-year program will be determined and limited by quotas established by AFROTC in response to USAF requirements. This program is designed to accommodate junior college and

transfer students. Such students must meet all POC entry requirements and should contact the Department of Aerospace Studies, Southern Station, Box 5145, early in their sophomore year.

AFROTC COLLEGE SCHOLARSHIP PROGRAM

A combined institutional and Air Force committee selects qualified freshman, sophomore, and junior cadets to compete for three, two, and one-year scholarships respectively. Scholarships consist of full tuition, books, fees, supplies and equipment, plus a $100.00 monthly nontaxable allowance during each year of eligibility.

Four-year college scholarships are also available. High school students who feel they can meet basic eligibility requirements are encouraged to apply by writing to: **Air Force ROTC (OTTA), Maxwell AFB, Alabama 36112 before 15 November** of their senior year.

FLIGHT INSTRUCTION PROGRAM

The Flight Instruction Program (FIP) provides 35 hours of flight instruction in light aircraft to selected professional officer course cadets during their senior year at the University. Flight training is conducted by a local accredited civilian flying school. The ground school portion is conducted by the Department of Aerospace Studies and includes weather, navigation, fundamentals of elementary flight maneuvers, and Federal Aviation regulations. FIP graduates are eligible for an FAA Private Pilot's Certificate.

DEPARTMENTAL ACTIVITIES

The Arnold Air Society and Angel Flight are elite University service organizations sponsored by the Department of Aerospace Studies. The AFROTC cadets also participate in Air Force Base visits, USM intramural sports, the Military Ball, the Cadet Honor Guard, Dining-in, Awards Day, and other University affairs.

DEPARTMENT OF ANTHROPOLOGY (ANT—286) PHILOSOPHY (PHI—284), AND RELIGION (REL—288)

Roger Pearson, Chairman

Atkinson, Evans, Hales, Luth, Nau, Sullivan, F. Wood, S. Wood

The Department of Anthropology, Philosophy, and Religion offers programs of study leading to the degrees of Bachelor of Arts and Bachelor of Science. A baccalaureate student may choose to major or minor in (a) anthropology (b) philosophy (c) anthropology and religion, or (d) philosophy and religion.

Considerable flexibility in the selection of courses is encouraged in order to ensure that the needs and interests of the individual students are met, but majors should plan their courses in consultation with their departmental adviser.

In addition, the department offers a course of study leading to a graduate minor in anthropology, details of which are published in the **Graduate Bulletin.**

Anthropology

A major in anthropology requires a minimum of twenty-seven (27) semester hours in anthropology including ANT 211, 212, 213, 214, and 413.

A minor requires a minimum of twenty-one (21) semester hours including ANT 211 and 413.

Philosophy

A major in philosophy requires a minimum of twenty-seven (27) semester hours in philosophy, including not less than twelve (12) semester hours at the 400 level.

A minor requires a minimum of twenty-one (21) semester hours including not less than six (6) semester hours at the 400 level.

Anthropology and Religion

A major in anthropology and religion requires a total of twenty-seven (27) semester hours in these subjects, including ANT 211 and ANT 413, with not less than twelve (12) semester hours being drawn from either anthropology or religion.

A minor requires a minimum of twenty-one (21) semester hours, including ANT 211, with not less than nine (9) semester hours being drawn from either anthropology or religion.

Philosophy and Religion

Students majoring in philosophy and religion require a total of twenty-seven (27) semester hours in these subjects with not less than twelve (12) semester hours being drawn from either area. Not less than twelve (12) semester hours should be at the 400 level.

A minor requires a minimum of twenty-one (21) semester hours with not less than nine (9) semester hours being drawn from either area. Not less than six (6) semester hours should be at the 400 level.

DEPARTMENT OF COMMUNICATION

Stanford P. Gwin, Chairman

Albers, Ardoin, Flannery, Fowler, George, Hall, Johnson, Matthews, Tucker, Waite

The Department of Communication offers a student an opportunity to study for a career in journalism, broadcast journalism, photojournalism, public relations, business and industrial communication, advertising, broadcasting, film, public address, or speech and journalism education. The department also participates in interdisciplinary programs in American Studies and Linguistics. The Bachelor of Arts and the Bachelor of Science degrees are offered in most of these areas.

Career program students are responsible for fulfilling the College of Liberal Arts requirements in addition to the specific requirements of each intended career area. However, the programs outlined represent guidelines only. Each student is expected to prepare a personal career curriculum with the assistance of an adviser.

Majors are required to participate for six quarters in at least one of three practical communications activities: THE STUDENT PRINTZ, WMSU, or intercollegiate debate.

Any student expecting to take courses in journalism should understand that a typing capability is essential. Those students with no typing skills should plan to take typing very early in the program.

The non-departmental courses in all programs propose a general background for the student with undetermined career aims. A student with a precise career objective (such as agency public relations or speechwriting) should focus on supporting the desired career in planning his program with his adviser.

Speech education and communication majors must minor outside the department. No students in the department may minor in communication.

COMMUNICATION

The communication program is designed to prepare students for careers in public relations or business and industrial communications. Candidates are advised to obtain practical experience in mass and interpersonal communication concurrent with their academic program. A broad background in the liberal arts and social sciences is desirable.

Students desiring a minor in communication should work out a program, in conjunction with their major adviser, from among these suggested courses: COM 200, 407, 410; JOU 102, 421, 422, 425; RTF 425, 472.

Public Relations Minor

Students outside the department may secure a minor in public relations with the following recommended program:

JOU 421, 422, 425
COM 410, 417
RTF 472

PUBLIC RELATIONS PROGRAM

COM 407, 417
JOU 102, 301, 313, 421, 422, 425
PA 311
RTF 311, 440, 472

Select the remainder of courses from COM 410; JOU 425, 301, 340; RTF 302, 311, 425, 440, 471, 472. Selections should be carefully made with adviser assistance to be relevant to career aims; however, every public relations student is urged to acquire as much media production skill as possible.

Suggested Minor Program: Select at least seven courses from MGT 360, 362, 364; SOC 440, 460, 471; PA 403; PS 406, 471; PSY 251, 450; MKT 458; GHY 331; ENG 321, 332; ANT 311.

BUSINESS AND INDUSTRIAL COMMUNICATION PROGRAM

COM 410, 417
JOU 102, 301, 313, 340, 421, 422, 425
PA 311
Select remainder of courses from JOU 315, 403; RTF 302, 425.

Suggested Minor Program: Select at least seven courses from FIN 100; MGT 360, 362, 364; MKT 320, 380; ENG 321, 332; SOC 420, 440; PSY 450, 451, with one course from at least three areas.

JOURNALISM

For all careers in journalism the suggested courses from outside the department are guidelines designed to assist the student who wishes to prepare for available jobs in journalism. A student with a precise career aim should formulate a plan with his adviser to support that goal.

Students minoring in journalism are required to complete a minimum of twenty-one (21) hours. Courses should be approved by the Director of Journalism.

All majors and minors are required to do practical work on THE STUDENT PRINTZ. Others are invited to participate in the publication of the paper.

NEWS EDITORIAL PROGRAM

This career sequence is designed to prepare reporters, editorial writers, columnists, editors, feature writers, and specialized reporters.

JOU 102, 301, 311, 315, 340, 402, 403, 450, 460
COM 200, 417

Suggested Minor Program: Select at least seven courses from ENG 321, 332; PA 315; RTF 302, 472; SOC 440, 460, 471; PSY 450; ANT 311; GHY 331.

PHOTOJOURNALISM PROGRAM

This program is designed primarily to prepare newspaper photographers. Those interested in freelance, studio, or commercial photography should plan support programs in art, advertising, etc., very carefully with the assistance of the photography adviser.

JOU 102, 140, 301, 313, 331, 340, 403, 440
COM 200, 417
RTF 371, 375

Suggested Minor Program: Select at least seven courses from SOC 460, 440, 471; ANT 311; GHY 331; PSY 450; PS 303, 425, 433; HIS 300, 440, 451.

PUBLIC ADDRESS

The public address program is designed to prepare students for careers as speechwriters and consultants, as well as to prepare the potential graduate student.

PA 112, 210, 310, 311, 315, 330, 403
COM 200
JOU 102, 301
RTF 472

Suggested Minor Program: Select at least seven courses from SOC 440, 460, 471; ANT 311; GHY 331; PSY 450; PS 303, 425, 433; HIS 300, 440, 441, choosing from a minimum of three areas.

Students minoring in public address are required to complete twenty-one (21) hours of which PA 111, 210, 311 are recommended. All minor programs are to be selected with the approval of the Director of Public Address.

RADIO-TELEVISION-FILM

BROADCAST JOURNALISM PROGRAM

Broadcast journalism is designed to prepare students for careers in radio and television news. The broadcast journalism major should be in the Bachelor of Arts degree curriculum.

JOU 102, 311, 402, 403
RTF 302, 311, 321, 370, 371, 422, 440
PA 210, 315
COM 200, 417

Suggested Minor Program: Select at least seven courses from SOC 440, 460, 471; ANT 311; GHY 331; PSY 450; PS 303, 425, 433; HIS 300, 440, 441, choosing at least one from each of three areas.

BROADCASTING PROGRAM

This sequence is programmed for that student who seeks to work in broadcasting as an announcer, producer, director, writer, or in documentary production for radio and television.

RTF 302, 311, 320, 330, 371, 375, 417, 422, 440, 447, 460
COM 200, 417

Suggested Minor Program: Select at least seven courses from ENG 321, 332; PA 210, 315, 330; JOU 102, 301, 340, 440, THE 111

FILM PROGRAM

Career programs are designed to prepare the graduate for positions with television station film units, motion picture production companies, industrial in-house film units, as well as federal and state agencies.

RTF 270, 271, 310, 371, 375, 377, 471, 472, 477
JOU 102
COM 200, 417

Students minoring in film are required to complete twenty-one (21) hours. The department will cooperate with the student's major professor in selection of courses.

Suggested Minor Program: Select at least seven courses from ENG 321, 472, 454, 455; THE 120, 200, 320, 412; ART 101, 102, 103, 261, 362; SOC 240, 440; JOU 301, 340, 440, 421; COM 340, 461; RTF 425.

General Speech Education

The general speech education program is designed to prepare students academically and professionally to teach speech and supervise speech activities on the secondary level and to pursue graduate level study. The public address major working toward the Bachelor of Science teaching degree must meet general and professional education requirements, including a minor in secondary education, in addition to meeting departmental requirements. Speech education majors are required to participate actively in at least one season of intercollegiate debate and one major theatre production. The following program will fulfill the subject matter and professional requirements:

	Hours
PA 111, 112, 210, 310, 311, 315, 330	19
PA or COM electives above 300	9
COM 200	3
THE 111, dramatics elective	6
CIS minor requirements	27

Additional elective theatre courses are recommended. Consult the chairman of the Department of Theatre Arts.

Journalism Education

The journalism education program is designed to prepare students academically and professionally to teach journalism and supervise publications on the secondary level and to pursue graduate level study. The journalism major working toward the Bachelor of Science teaching degree must meet general and professional education requirements, including a minor in secondary education, in addition to meeting departmental requirements.

Majors must complete thirty (30) hours in journalism, including JOU 102, 310, 311, 313, 315, 331, 340, and 402. To meet the special requirements of teacher certification, the candidate should also meet the special requirements of a major in a related subject matter field, such as English or social science.

DEPARTMENT OF ENGLISH (ENG—224)

Marice C. Brown, Chairman

H. Anderson, Bahr, D. Berry, Breland, Brinegar, Cooper, R. Daniels, W. Everett, Freeman, Kay, Lasater, J. Lewis, McCartney, McCraw, McRaven, C. Moorman, Orange, Phillips, P. Prenshaw, Richardson, M. Sirmon, C. Skates, J.A. Smith, Stamper, Stringer, Strohm, Tharpe, G. Weaver.

A student may obtain an undergraduate English major under a program leading to a Bachelor of Arts or a Bachelor of Science (teaching

or non-teaching) degree. For assistance in determining the appropriate program he should consult his major adviser. For information on the master's and the Doctor of Philosophy programs he should consult the **Graduate Bulletin.**

Each undergraduate must complete the core courses of his particular college as listed on preceding pages of this catalog.

An undergraduate major in English must take a total of thirty-six (36) hours beyond the freshman level of which at least twenty-one (21) hours must be at the junior and senior level, and it is strongly recommended that he take twenty-four (24) hours at that level. Students expecting to use English as a teaching minor in Mississippi should be aware that the state requires for certification in English a minimum of thirty (30) semester hours of English or twenty-seven (27) hours of English and three (3) of speech.

A student should take some sophomore level work before enrolling in junior level courses and some junior work before enrolling in senior. He must be certain that he includes among his advanced courses at least one in each of the following categories: (1) English or World Literature before 1700 or Language; (2) English or World Literature after 1700; (3) American Literature. If he wishes to get teacher certification, he must include among his courses one advanced course in grammar and two in English literature, of which at least one must be in Shakespeare. If he wishes to qualify as a part-time librarian he must take LS 302, 303, 415, 416.

An undergraduate student minoring in English must take a total of twenty-four (24) hours in the department; at least nine (9) of these hours must be at the junior or senior level.

The Center for Writers is a part of the Department of English. It is intended to provide within an academic environment the optimum conditions for students who write or want to write poetry, fiction, or nonfiction prose.

DEPARTMENT OF FOREIGN LANGUAGES (FL—228)

Roger Johnson, Jr., Chairman

E. Anglin, Austin, B. Lee, Fontecchio, Harmon, R. Moorman, E. Neumann, J. Roberts, Siverio, Thornton, Trail

Candidates for either the Bachelor of Arts or the Bachelor of Science degree may choose a major or minor in the language areas of French, German, Spanish, Russian, or classics. The requirement for a major is at least twenty-seven (27) hours of credit; the minor requires eighteen (18) hours. (Students choosing to major or minor in classics must take both Greek and Latin for a total of the necessary hours of credit.) Language areas are indicated in the course titles. Where no single language is named, the course is open to students studying any foreign language, and such courses are applicable toward the degree programs in the various language areas.

Students may begin programs of specialization at an early date in their foreign language training. In cooperation with other departments at this University, the Department of Foreign Languages has established a number of courses and informal programs for the student who wishes to prepare for a career in which bilingualism can be of an advantage. The department offers, for example, courses that emphasize or supplement training in the following career areas: linguistics, translation, banking and business administration in connection with Common Market countries, government and diplomatic service, the military, foreign language teaching, literature, resource management, community and regional planning, and bilingual secretarial skills. Because such

programs require individual advisement and counseling, students should consult with a foreign language adviser as soon as possible so that a workable curriculum can be devised. Since the beginning language courses are combinations of historical, cultural, and language material, they can function as electives for students in liberal arts, the sciences, and education, even though these students are pursuing neither a major nor minor in the department.

Most students taking a foreign language begin their study at the elementary level. If French is to be the language studied, the beginning student may enroll in **French: One,** and then continue through the next three basic courses: **French: Two, French: Three,** and **French: Four.** (Of course, those who have already studied the language they wish to continue here will enter the curriculum at an appropriate level.) After the four basic courses, students normally proceed with the appropriate **Conversational Practicum** and **Advanced Grammar and Composition.** The courses, **Poetry, Prose Fiction,** and **Drama** may be taken as soon as the student is able to handle basic reading material in the foreign language he is studying. Because proficiency, and not hours of credit, is the basis for continuing study of a language, every course in the department has as its prerequisite the consent of the instructor.

Students interested primarily in literature should include a selection from FL 302, 303, 304, and 402, as well as an appropriate sequence in **History of Literature.** Those emphasizing language arts, linguistics, or translation skills should include FL 200, 300, 301, 400, and 403. Prospective teachers should enroll in FL 404, in addition to regular language courses and the courses necessary to meet requirements for teacher certification. Those wishing to gain language skills for becoming bilingual secretaries, public relations consultants, businessmen, resource managers, airline stewardesses or stewards, area specialists, etc., should include language study through the **Conversational Practicum, Advanced Grammar and Composition,** and FL 403.

Any student taking a foreign language course has access to the Foreign Language Laboratory and may be required to attend laboratory sessions for up to one hour per week in connection with regular classroom meetings. Required laboratory work is at the discretion of the instructor.

DEPARTMENT OF GEOGRAPHY (GHY—268)

William M. Roberts, Chairman

Cross, Gladden, Kelley, McKee, Mealor, Traylor, Wales

Modern geography is concerned with the nature, development, and significance of the spatial attributes of the surface and atmospheric envelope of the earth. The discipline attempts to explain the variable character of the earth through an examination and analysis of the arrangement and interrelationships of a multitude of relevant cultural and natural phenomena.

As a university discipline, geography at USM serves a multiple objective: (1) to contribute to the student's broad understanding of the world, its conditions, and its peoples; (2) to prepare the student who desires to teach at the secondary level with a specialty in geography, and, (3) to prepare students for advanced work and professional careers in geography in areas such as university teaching, urban and regional planning, resource management, land-use analysis, industrial location analysis, and cartography. The Department of Geography offers a full range of courses designed to satisfy all three of these objectives.

Undergraduate courses in geography fall in one of the three follow-

ing groups: (1) *topical*—courses in this group, such as economic geography and environmental climatology, consider the geographical or spacial aspects of specific categories or processes, (2) *regional*—such courses deal with certain sections of the earth (e.g., Europe) and generally afford a broader view of the forces of social, economic, physical, and political interaction, and (3) *techniques*—this group includes courses in aerial photograph interpretation, quantitative methods, cartography, and remote sensing that provide the student with the tools necessary for geographic careers.

Requirements for Major

A student majoring in geography may select one of several alternative plans. He may work toward the Bachelor of Arts, the Bachelor of Science teaching, or the Bachelor of Science non-teaching degree. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

A. Curriculum—College Core.

Regardless of his degree plan, the student must include the appropriate core curriculum subjects for his degree. The student majoring in geography should elect Geography 103 among his core subjects. Non-geography majors may elect Geography 103, 331, 341, or 350 to meet core requirements—although 103 is recommended for all beginning students.

B. Curriculum—Teaching Requirements.

The student working toward the Bachelor of Science teaching degree must include in his program the courses leading toward the Class A teaching certificate.

C. Curriculum—Department Requirements.

The student wishing to major in geography, regardless of his degree plan, must take thirty-six (36) hours in the Department of Geography. Required of all majors are GHY 210, 223, 224, 331 and 350. In addition, all majors are required to take at least three (3) additional topical courses, one (1) 300-level regional course, and one (1) technique course above the 200-level. The remaining hours for the major are elective within the department. GHY 103 may be considered an elective course when computing total hours for the major.

D. Curriculum—Minor and Electives.

In addition to the core requirements, the certification requirements, and the departmental requirements, the student majoring in geography must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

Requirements for Minor

The student minoring in geography must take twenty-one (21) hours in the department. Recommended for the minor are GHY 103, 331, 341, and 350.

DEPARTMENT OF HISTORY (HIS—272)

John Ray Skates, Chairman

Anglin, Bowers, R. Brent, Ciccarelli, Davis, Fike, Gonzales, Guice, Harper, P. Kalisch, McCarty, McMillen, Scarborough

The Department of History participates in programs leading to the degrees of the Bachelor of Arts, the Bachelor of Science, the Master of

Arts, the Master of Science, the Master of Philosophy, and the Doctor of Philosophy. For the master's and doctorate degrees please consult the **Graduate Bulletin.**

Major Requirements

An undergraduate student majoring in history may elect either the Bachelor of Arts or the Bachelor of Science degree program. He may certify to teach in the field of social studies at the secondary level under either of the above degree plans by taking the necessary education and psychology courses. He should consult with his adviser to determine which degree plan to follow and what education and psychology courses are required.

A. **Curriculum—College Core**

The student working toward any degree must include in his curriculum the required core subjects.

B. **Curriculum—Professional Requirements**

The history major working toward the Bachelor of Science teaching degree with a secondary school license in social studies must include in his program (1) the education courses required for the Class A teaching certificate (education will normally be the minor for a history major seeking a teacher's license); and (2) the following social studies courses, either as core or as electives: Economics 200 or ECO 255 and 256; Geography 103; Political Science 101; History 341; Sociology 101 or 311; and Anthropology 211 or 212.*

C. **Curriculum—Departmental Requirements**

The students majoring in history must take thirty-three (33) hours, which regardless of his degree plan, must include History 101, 102, and 140, 141.

Minor Requirements

The student minoring in history should take eighteen (18) hours in history which should include HIS 101, 102, and 140, 141.

* In September, 1975, certification requirements in social studies will be increased to nine (9) hours of economics, three (3) hours of Mississippi History, six (6) hours of political science, six (6) hours of geography, three (3) hours of sociology, and three (3) hours of anthropology.

DEPARTMENT OF MILITARY SCIENCE (MS—276)

Guy Groff, Jr., Chairman

Baucum, Clark, Greenwood, Howle, Ingleright, Libby, Raines, Roberts, Shaw, Vowell, Whitworth

AUTHORIZATION

The University of Southern Mississippi was authorized by the Department of the Army to activate a unit of the Senior Division Reserve Officers Training Corps (ROTC) on April 3, 1950. The unit was organized June 14, 1950, under the authority of the Act of Congress, June 3, 1916, and subsequent amendments thereto.

MISSION

The mission of the ROTC program is to attract, motivate, and prepare selected university students for commissioning as officers in the United States Army upon graduation. Academic achievement in the major field of study is of primary importance for students enrolled in the ROTC program.

PROGRAM OF INSTRUCTION

The ROTC program of instruction encompasses three years. Students entering in a three-year degree program must enroll in the ROTC program in their first year. Four-year degree students may delay entry into the ROTC program until their second year of enrollment in the University.

The ROTC program of instruction is divided into two courses. The Basic Course is taught in one year, and is designed to acquaint the student with the US Army. Three semester hours of credit are given for successful completion of the Basic Course.

Upon successful completion of the Basic Course a student makes application for enrollment in the Advanced Course. After acceptance into the Advanced Course the student spends two academic years (3 quarters each year) in preparation for commissioning upon graduation. Fifteen semester hours of credit are earned. The University has waived the requirement for a minor degree for those graduates completing Basic and Advanced ROTC programs. A subsistence of allowance of $100 per month is paid during each academic year of the Advanced Program. The student will be required to participate in a six-week summer camp while enrolled in the Advanced Program.

JUNIOR COLLEGE TRANSFER STUDENTS

Junior college transfer students desiring to enroll in the ROTC program at the University of Southern Mississippi should contact the Department of Military Science or seek information from the junior college counseling office for details concerning enrollment procedures. Applications for enrollment in the senior ROTC program must be submitted to the department prior to 15 February, prior to the academic year in which the students intend to enroll at the University.

Military Service Organizations

ROTC cadets have the opportunity to participate in several organizations within the Corps of Cadets. These include the Pershing Rifles (drill team), the ROTC Rifle Team, Scabbard and Blade (Honorary Military Society), ROTC Flight Training, and the Ranger Company.

ROTC SCHOLARSHIP PROGRAM

The Army ROTC Scholarship Program is designed to offer financial assistance to outstanding young men in the four-year ROTC program who are interested in the Army as a career. There are four types of scholarships: Four-year, Three-year, Two-year, and One-year. Each scholarship provides free tuition, textbooks, and laboratory fees, in addition to paying $100.00 per month for the period that the scholarship is in effect.

Four-year scholarships are offered to select young men who have graduated from high school or received equivalent credit from an acceptable state or national agency. Applicants must be enrolled in or acceptable for enrollment in the University.

Three-year scholarships are offered to students who have completed their first year of Army ROTC.

Two-year scholarships are offered to students who have completed the Basic Course of Military Science and have been accepted for enrollment in the Advanced Course.

One-year scholarships are offered Advanced Course students who have completed their third year of Army ROTC.

Students applying for the One-year, Two-year, and Three-year scholarship will do so with the Professor of Military Science at the Uni-

versity. Students desiring to apply for the Four-year Scholarship must do so between September 1 and January 15 of the year before the scholarship is to begin. Information and application packets for the Four-year Scholarship may be obtained by writing to:

Third United States Army
ATTN: AJAGR-A
Fort McPherson, Georgia 30330

Selection Procedures:

Recipients of the Three-year, Two-year, and One-year scholarships will be selected from Military Science I, II, and III students who have submitted applications to the Professor of Military Science. Applicants will be screened by a scholarship committee and selections will be forwarded to the Department of the Army for approval. The Department of the Army will select all Four-year Scholarship recipients.

DEPARTMENT OF POLITICAL SCIENCE (PS—280)

William H. Hatcher, Chairman

Caudill, Doumas, Landry, Rose, R. Smith, Tatalovich, Tuchak, Wilber

The Department of Political Science offers a major and minor to prepare students for public service and law school among other careers; specifically the department offers courses leading to the Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, Master of Philosophy, and Doctor of Philosophy degrees.

(1) **Requirements for an Undergraduate Major.**

In addition to PS 101 the political science major must take at least one course from five of the six fields of political science. The remaining twelve hours are electives in political science.

(2) **Requirements for an Undergraduate Minor.**

The department recommends that the minor include courses from at least four of the six fields.

(3) The Six Fields of Political Science.

Political Theory. 420, 421, 425.
American Government and Politics. 301, 302, 303, 401, 404, 406, 407, 408, 409.
International Relations. 330, 430, 431, 432, 434, 435.
Comparative Government. 350, 450, 451, 452, 453, 454, 455, 456, 458.
Public Administration. 470, 471, 472, 473.
Public Law. 480, 481, 482, 485.

(4) Economics 401, and History 300, 412, and 444 may be elected as political science if approved by the student's adviser.

DEPARTMENT OF SOCIOLOGY (SOC—292)

Donald R. South, Chairman

Bourgeois, Burrus, Shoemaker, Thagard, Turner

The Department of Sociology offers a major and minor. A minimum of twenty-seven (27) semester hours (beyond SOC 101) is required for a major in sociology. Twenty-one (21) hours are required for a sociology minor. Transfer students interested in a sociology major are advised to check their programs with a sociology adviser at as early a date as possible.

Core curricula applicable to the University, the College of Liberal Arts, and either the Bachelor of Science or Bachelor of Arts degree programs should be followed with care. Sociology majors who wish to

certify to teach on the secondary education level should take note of these requirements in the section of the catalog dealing with teacher training. It should be noted also that a student may certify to teach while enrolled in the College of Liberal Arts.

The sociology major will complete a minor of twenty-one (21) hours in another field. It is possible for the minor to be taken in any department offering a major, but in most circumstances the minor is taken in one of the social sciences. The core requirements must be completed as early in the academic program as possible. Courses not needed to fulfill major, minor, or core requirements are free electives and may be taken in any department of the University.

Course Requirements and Information

A. Sociology 101 is a prerequisite to all other course offerings.
B. All sociology majors (general and pre-professional) must take the following courses: SOC 101, 310 or 311, 460, 480, 481 or 482.
C. Students pursuing the general sociology major must also take SOC 461. The remaining twelve (12) hours may be selected from any of the departmental offerings with the exception of SOC 230 and SOC 330.
D. Students preparing for careers in social work may use sociology as a major or minor in a program of pre-professional undergraduate training. While the University does not offer an undergraduate degree in social work, proper planning of the undergraduate program will help to provide an adequate academic background for professional training which must be obtained in a graduate school of social work. Many social service type jobs are available to persons with credit in the pre-professional program.

DEPARTMENT OF SPEECH AND HEARING SCIENCES (SHS—296)

Robert C. Rhodes, Chairman

Albritton, DuBard, Fitch, Schaub, Thomas, Winger

The Department of Speech and Hearing Sciences is concerned with the body of knowledge and scientific study that pertains to both normal and abnormal speech, hearing, and language. The department provides the environment in which information in this area can be advanced effectively and knowledge can be disseminated.

Bachelor of Arts teaching degrees and Bachelor of Science teaching degrees are offered by the department. At the undergraduate level, the Bachelor of Arts or the Bachelor of Science degree includes a number of related disciplines including Speech Pathology, Audiology, Language Disorders, and Education of the Deaf. Specialization in one or more of these specific areas is undertaken at the graduate level. For information concerning master's or doctoral degrees, consult the **Graduate Bulletin.**

The Bachelor of Arts or Bachelor of Science teaching degree is required of students who wish to meet the certification requirements of the Mississippi State Office of Special Education in speech and hearing.

Requirements for Major

Student seeking the Bachelor of Arts or Bachelor of Science teaching degree in any of the above fields are responsible for fulfilling the College of Liberal Arts requirements in addition to the specific requirements listed below:

SHS 201, 202, 211, 221, 401, 402, 403, 411, 412, 413, 414, 421, 431, 432, and 433 or 439.

SPE 310 (1 hour), 311 (1 hour), 312 (6 hours), 400, and 411.
EPY 316, 372, and 374.

Enrollment in SPE 310, 311, or 312 is contingent upon permission by the instructor.

The USM Speech and Hearing Clinic located in the Honor House and the School for Children with Language Disorders in the George Hurst Building are administered by the Department of Speech and Hearing Sciences to provide remedial services, educational and training experiences for students, and settings for clinical research. The Acoustics Laboratory in the Honor House is operated by the department for the purpose of conducting pure and applied research dealing with speech and auditory processes.

The department has working agreements with several off-campus clinical facilities around the state for clinical practicum experience.

SCHOOL OF NURSING

Elizabeth C. Harkins, Dean

Bain, Balmat, Bates, Benjamin, Bryson, Cooper, DuPuy, B. Kalisch, Lester, Linton, Madamba, McGrew, Price, Scribner, M. Sisemore, Sommers

PURPOSE

The primary purpose of the School of Nursing is to provide its students with a sound preparation for nursing practice. The program of study offers broad preparation in general education as well as education for the professional practice of nursing. Courses in the liberal arts and humanities, the sciences, and the professional components are selected to prepare the student to assume effectively his role as an individual, as a citizen, and as a professional practitioner.

HISTORY

Following a year of planning and curriculum development, the first students were admitted to the School of Nursing in September, 1967. The School of Nursing received National League for Nursing accreditation in 1969. The first Bachelor of Science in Nursing degrees were conferred in May, 1969.

ACCREDITATION

The School of Nursing program is accredited by the National League for Nursing. The School is approved by the Board of Trustees of State Institutions of Higher Learning and is a member of the Council of Baccalaureate and Higher Degree Programs of the National League for Nursing.

ADMISSION

Applicants for admission to the School of Nursing must fulfill the general University requirements as described in the Admission Section of the **Bulletin.** In addition the applicant must meet the progression criteria of the School of Nursing (see Promotion Policies).

Individual advisement is provided for all students. A special review and program plan is prepared for students with advanced standing.

PROMOTION POLICIES

Students must (1) maintain a 2.0 grade point average in the natural and behavioral science courses—biology, chemistry, psychology and sociology; and (2) have earned a 2.3 grade point average at the completion of the Level II nursing courses. A 2.3 grade point average in nursing courses is required for graduation.

STUDENT ADVISEMENT

The School of Nursing faculty is responsible for academic counseling of all students enrolled in the School. Each student admitted to the School will be assigned an adviser by the Office of the Dean. The adviser will assist the student in planning a program of study toward the degree, approve his schedule each quarter, provide counsel, and sign his application for degree.

FINANCIAL AID

There are scholarship and loan funds available exclusively to students enrolled in the School of Nursing. Nursing students are also eligi-

ble to apply for assistance through other resources provided to students enrolled in the University. All applications for assistance should be forwarded to the Director of Student Aid and Scholarships.

EXPENSES

The general fees and expenses are the same for nursing students as for other University students. Additional expenses incurred by nursing students such as uniforms, books, insurance, student nurse organization fees, etc., are estimated as follows:

1st Year	2nd Year	3rd Year
$100.00	$75.00	$75.00

Travel: Students are responsible for arranging transportation to off-campus hospitals and other agencies which constitute part of the program.

CURRICULUM

The School of Nursing offers a program leading to the degree of Bachelor of Science in Nursing. The program of study includes specified requirements in the physical and biological sciences, in the social and behavioral sciences, and in the humanities. These courses are selected and placed for their foundational and supportive contributions to the study of nursing. The clinical nursing courses combine theory and practice. The clinical laboratory classes are conducted in demonstration rooms and in settings where nursing care is needed.

The curriculum in nursing is sequential; progression depends on successful completion of required courses in the preceding year.

Registered nurses may establish by examination a maximum of twenty-one (21) hours of credit in nursing. (See also Challenge Examinations Section.)

A student majoring in nursing must complete 130 hours including fifty (50) hours in nursing, the major, twenty-one (21) hours in a selected minor, and fifty-seven (57) hours required by the cores of the University and the School of Nursing. Upon completion of this program of study the student is eligible to write the examination for licensure in the State of Mississippi.

First Year

	Hours
Nursing 120, 121, and 122 or 150*	6
Biology 220, 221, and 222	9
Chemistry 101,** 251, and 252	9
English 101 and 102	6
Mathematics 100, 101, or 112	3
Physical Education or ROTC/AFROTC***	2
Psychology 110	3
Public Address 111	3
Sociology 101	3
	44

*May be taken in lieu of NSG 120, 121, 122
**If no high school chemistry, CHE 100 is prerequisite.
***Not required for registered nurses.

Second Year

	Hours
Nursing 301, 302, 303, 305, 306	15
Anthropology 211 or 212	3
Microbiology 401 and 402	6

Psychology 375 or EPY 370 and EPY 372; PSY 455 or SOC 450; PSY 360 or SOC 460	3-12
Public Address 330	3
Sociology 314; SOC 450 or PSY 455; SOC 460 or PSY 360	3-9
Humanities Electives—2 Courses	6
	45-48

Third Year

	Hours
Nursing 410, 420, 430, 440, 442, 450	29
Management 360	3
Genetics 451	3
Psychology 436	3
	38

COLLEGE OF SCIENCE

Shelby F. Thames, Dean

The College of Science provides the student training in all of the classical fields of science as well as several contemporary multidisciplinary areas.

The College of Science is organized into ten departments: Biology, Chemistry, Computer Science, Geology, Mathematics, Medical Technology, Microbiology, Physics, Polymer Science, and Science Education.

The concept of career-oriented training is stressed within the ten departments and the associated degree programs in Environmental Science, the Allied Health Sciences, Plastics Technology, the Pre-Engineering Program, and the Institute of Genetics.

The College shares, with the College of Education and Psychology, joint responsibility for the Department of Science Education, embracing a sequence of courses titled Fundamentals of Science, and offering a major in science education for teachers.

A student wishing to obtain either a Bachelor of Science or Bachelor of Arts degree from within the College of Science must complete the following College of Science requirements:

	Hours
English 101, 102, and 332	9
History	6
Science (includes Fundamentals of Science) fifteen hours; a minimum of 9 must be in laboratory sciences	15
Mathematics (must be above MAT 100)	9
Twelve hours from the following areas, with no more than three hours from any one area: political science, geography, sociology, psychology, philosophy, allied arts, economics	12
Physical Education or ROTC/AFROTC	2-3

Foreign language may be required at the option of the department.

The student seeking a Bachelor of Arts degree must complete three (3) additional hours of English and meet the following requirement:

*Foreign Language	6-9

*Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six semester hours at the 200 level or above.

ENVIRONMENTAL TECHNOLOGY CURRICULUM (ESC—355)

Charles R. Brent, Director

The College of Science offers an interdisciplinary degree in Environmental Technology designed to train environment-conscious scientists with field experience in the measurement of environmental variables and with the capability of making sound ecological decisions in matters of pollution control. The curriculum emphasizes the chemical and biological aspects of the environment with enough physics and geology interspersed to provide majors with an understanding of the distribution of pollutants. Persons with this modern training will be needed by industry, government, and educational institutions if man is to clean up his environment and keep it clean.

Requirements for a major in environmental technology leading to the Bachelor of Science degree are the following:

	Hours
ESC 101, 102, 103 or	12
The following freshman sequences:	
CHE 101, 102, 103	
B10 101, 102,	
ESC 210	
GLY 101, 103	
PHY 101, 102	(30)
MAT 171	3
CSS 211, 212 or	
CSS 240, 340 or	
MAT 276, 277	6
CHE 301, 302, 303, 304, 305	15
BIO 449, 461, 462, 440, 466	15
MIC 101, 301, 471	9
GLY 306	3
PHY 477 or GEO 425	3
GEO 370 or GEO 412 or GEO 474	3
ESC 401, 402, 411, ESC 492-I, II, III	15
Total for interdisciplinary major	84-(102)
College of Science degree requirements not listed above	33
Electives	(0)-11
Total for Degree	128-(135)

INSTITUTE OF GENETICS

Karen M. Yarbrough, Director

The Institute of Genetics provides facilities for undergraduate and graduate education in genetics and services to University personnel and students as well as families throughout the community and region. Information regarding academic requirements may be obtained from the **Undergraduate Bulletin** or the **Graduate Bulletin** under the Department of Microbiology.

Members of the Institute's staff operate within the framework of the Center for Health Related Sciences in order to provide coordinated, comprehensive services. The Institute's services include chromosomal culturing and karyotyping, sex chromatin tests, dermatoglyphic studies and genetic counseling. These services are available at nominal fees on a referral basis or by applying directly to the Institute of Genetics.

ALLIED HEALTH SCIENCES

William G. Brundage, Director

The University of Southern Mississippi provides pre-professional training for students who plan to enter the fields of medicine, dentistry, veterinary medicine, pharmacy, physical therapy, and optometry. Degree programs are offered in medical records library science and medical technology.

RECOMMENDED PROGRAM FOR MEDICAL RECORDS LIBRARIANS

J. Fred Walker, Coordinator

The three-year program as outlined below is planned to meet the needs of those interested in becoming medical records librarians. Students who complete this program plus any College of Science core re-

quirements in any subject area not listed here and who complete an additional year of professional training at an accredited hospital or medical school with a medical records library program may be eligible for the Bachelor of Science degree.

	Hours
Biology 101, 102, 202	12
Chemistry 100, 101	6
English 101, 102, 201, 332	12
History 101, 102	6
Philosophy 151	3
Social Sciences	9
(Selected from the following areas with no more than 3 hours from any one area: geography, economics, psychology, sociology, political science)	
Mathematics 101, 103	6
Foreign Language	8
Computer Science 240	3
Finance 290 (Business Data Processing) or Management 360	3
Biology 220, 221, 222, 411	12
Physical Education or equivalent	2
Suggested Electives	
Microbiology 403 and 451	6
Other Electives (300 level and above)	6

Plus one year of professional training in a recognized medical college with a Medical Record Librarians Training Division.

RECOMMENDED PRE-MEDICAL AND PRE-DENTAL PROGRAM

B. C. Smith, Coordinator

The pre-medical and pre-dental curriculum is offered to meet the needs of the student wishing to enter an approved school of medicine or dentistry. The student should seek the counsel of his advisers in selecting courses that will meet the specific requirements of the medical or dental school which he intends to enter. This is especially true of science, social science, and language requirements.

The keen competition for admission to medical and dental schools makes it imperative that the student plan his curriculum carefully and maintain a superior scholastic standing. At the conclusion of the sophomore year the student should consult with his adviser to choose an undergraduate major either in biology or chemistry. A three-year pre-medical and pre-dental program is outlined below, but if the student wishes to receive a bachelor's degree before transferring to professional school, a four-year curriculum may be worked out with the advisers. A student entering medical or dental school after the junior year may be awarded a bachelor's degree by the University of Southern Mississippi upon completion of the first year of medical or dental school if the core curriculum requirements outlined elsewhere in this catalog are met, and provided that the thirty-five (35) hours of credit he receives for the first year of medical school complete the 128 hours requirement for a degree.

Freshman

	Hours
Biology 101, 102	8
Genetics 402	3
Chemistry 101, 102, 103	9
English 101, 102, 332	9
Mathematics 101, 103, 171	9
Physical Education, ROTC/AFROTC, or approved substitute	2/3

Sophomore

	Hours
Biology 320, 321, 315	9
Chemistry 351, 352, 353	9
Mathematics 276, 277	6
History 101, 102, or 140, 141	6
Social Sciences	6

Junior

	Hours
Chemistry 311, 312	6
Physics 101, 102, 103, or 201, 202, 203	9
Social Sciences	6
Electives and Advanced Sciences	12

Senior

	Hours
Advanced Sciences and Electives	24

RECOMMENDED PRE-VETERINARY PROGRAM

B. C. Smith, Coordinator

In order to matriculate in a school of veterinary medicine, a student must complete a minimum of seventy-three (73) hours from an acceptable college or university. Students planning to enter this area of study are encouraged to undertake a program exceeding the minimal requirements and leading to the baccalaureate degree in conjunction with the D.V.M. degree.

	Hours
General Chemistry 101, 102, 103	9
Organic Chemistry 351, 352, 353	9
Physics 101, 102, 103	9
Mathematics 101, 103, 171	9
English 101, 102, 332	9
Social Sciences	12
Biology 101, 102, 320, 321, 315	17
Genetics 402	3
History 101, 102, or 140, 141	6
Food and Nutrition 362	3
Microbiology 301	3

RECOMMENDED PRE-PHARMACY PROGRAM

B. C. Smith, Coordinator

The requirement for admission to most schools of pharmacy is two years of pre-pharmacy training. The student should obtain a copy of the catalog of the school of pharmacy which he plans to attend and with his academic adviser adjust his course of study to meet his individual needs.

Freshman

	Hours
Biology 101, 102, 202	12
Chemistry 101, 102, 103	9
Mathematics 101, 103, 171	9
English 101, 102, 332	9
Physical Education, ROTC/AFROTC, or approved substitute	2/3

Sophomore

	Hours
Biology 455 or 457	3
Chemistry 351, 352, 353	9
Mathematics 276, 277, or 420	3 or 6
Economics 200	3
Physics 101, 102, 103	9
Social Sciences	6

RECOMMENDED PRE-PHYSICAL THERAPY PROGRAM

B. C. Smith, Coordinator

The pre-physical therapy curriculum is offered to meet the needs of the student planning to enter an accredited school of physical therapy. Currently, the State of Mississippi does not have an accredited program in physical therapy; consequently students must apply elsewhere. However, it is anticipated that an accredited program will be forthcoming at the University Medical Center in Jackson, Mississippi.

Following are the recommended courses needed for consideration for admission into the projected School of Physical Therapy at the University Medical Center:

	Hours
English 101, 102, 332	9
Psychology 110, 375	6
Sociology 101	3
Chemistry 101, 102, 103	9
Mathematics 101, 103, 171	9
Microbiology 301	3
Physics 101, 102, 103	9
Biology 101, 202	8
Physical Education 321	3
Humanities	9
	68

RECOMMENDED PRE-OPTOMETRY PROGRAM

B. C. Smith, Coordinator

Students planning to apply to a school of optometry are required to complete two academic years (60 hours) of university work.

	Hours
English 101, 102, 332	9
Mathematics 101, 103, 171	9
Microbiology 301	3
Physics 101, 102, 103	9
Psychology 101	3
Chemistry 101, 102, 103	9
Biology 101, 102, 202	12
Electives	6

MEDICAL TECHNOLOGY CURRICULUM

See Department of Medical Technology

RECOMMENDED PRE-ENGINEERING PROGRAM

Advisers: Munn, J. Wood

The following curricula are set up to meet the requirements for admission to most engineering schools. The student should note that in each of the pre-engineering programs there are several electives allowed.

A catalog from the selected engineering school should be consulted before the elective courses are chosen and the physical education or ROTC option for the first year program is made.

Courses that are acceptable at many engineering schools are English 200, 201, 202; Economics 100; Public Address 111; Philosophy 151; Sociology 101; Psychology 210, History 101 and 102 or 140 and 141.

FRESHMAN PROGRAM FOR ALL ENGINEERS

Fall Qtr.	Sem. Hrs.	Winter Qtr.	Sem. Hrs.	Spring Qtr.	Sem. Hrs.
MAT 171	3	MAT 276	3	MAT 277	3
ENG 101	3	ENG 102	3	CHE 103	3
CHE 101	3	CHE 102	3	ENG 332	3
ITE 121	3	ITE 122	3	ELECTIVE	3
ROTC/AFROTC or PE	1	ROTC/AFROTC or PE	1	ROTC/AFROTC or PE	1
	13		13		13

CIVIL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Sem. Hrs.	Winter Qtr.	Sem. Hrs.	Spring Qtr.	Sem. Hrs.
MAT 378	3	MAT 379	3	MAT 405	3
PHY 201	3	PHY 202	3	PHY 203	3
ITE 325	3	ELECTIVE	6	GLY 101	3
ELECTIVE	3			ELECTIVE	3
	12		12		12

CHEMICAL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Sem. Hrs.	Winter Qtr.	Sem. Hrs.	Spring Qtr.	Sem. Hrs.
MAT 378	3	MAT 379	3	MAT 405	3
PHY 201	3	PHY 202	3	PHY 203	3
CHE 311	4	CHE 312	4	CHE 411	4
ITE 325	3	ELECTIVE	3	ELECTIVE	3
	13		13		13

ELECTRICAL AND MECHANICAL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Sem. Hrs.	Winter Qtr.	Sem. Hrs.	Spring Qtr.	Sem. Hrs.
ELECTIVE	3	MAT 379	3	MAT 405	3
MAT 378	3	PHY 202	3	PHY 203	3
PHY 201	3	ELECTIVES	6	ITE 325	3
ITE 116	3			ELECTIVE	3
	12		12		12

DEPARTMENT OF BIOLOGY (BIO—305)

George F. Pessoney, Chairman

Cliburn, Cupp, Dawson,* Fish, Fuller, Grantham, Gunter,* Howse,* Norris, Overstreet,* Parker, Rivas,* K. Rogers, Scheetz, B. Smith, J. Thompson, Walker

*Gulf Coast Research Laboratory

The Department of Biology prepares students to become professional zoologists or botanists, biology teachers, or fishery, wildlife, or marine biologists for state or federal agencies. The Department of Biology also

offers preprofessional training in medicine, dentistry, pharmacy, and veterinary science.

Requirements for Major

A student majoring in the Department of Biology may elect one of several plans of study leading to either the Bachelor of Arts or the Bachelor of Science degree. Information concerning the Master of Arts and Master of Science degrees and the Doctor of Philosophy degree is in the **Graduate Bulletin.** A student's choice of a degree program should be determined in consultation with his adviser.

A. **General Core Curriculum Requirements**

A student majoring in the Department of Biology must satisfy the general core requirements of the College of Science.

B. **Departmental Curriculum Requirements and Recommendations**

1. Required courses

a. BIO 101, 102, 202, 315, 320, 321, and GEN 402, plus sufficient additional courses in biology for a minimum of thirty-two (32) hours.

b. Three (3) additional hours of botany from courses numbered 300 and above.

c. Three (3) additional hours of zoology from courses numbered 300 and above.

d. CHE 101, 102, 103, 351, 352, and 353.

As many as six (6) hours earned in the Department of Microbiology may be credited towards a major in the Department of Biology.

The student majoring in the Department of Biology is encouraged to take as many additional courses as possible in chemistry, geology, mathematics, microbiology, and physics.

2. Recommended courses in special areas of emphasis

a. **Botany**—Departmental curriculum requirements, plus courses elected in botany with approval of adviser.

b. **Zoology**—Departmental curriculum requirements, plus courses elected in zoology with approval of adviser.

The following curricula are recommended by state and federal agencies as preparation for research positions.

c. **Marine Biology**—Departmental curriculum requirements, plus elected courses including BIO 423, 436, 437, 440, 461, 462, and 467; at least one summer at the Gulf Coast Research Laboratory strongly recommended. CHE 311, 312, and PHY 101, 102, 103 recommended.

d. **Wildlife Biology**—Departmental curriculum requirements, plus elected courses in such subjects as BIO 339, 420, 421, 424, 425, and 438; and at least nine (9) hours from BIO 441, 442, 461, or 462.

e. **Fisheries Biology**—Departmental curriculum requirements, plus elected courses including eighteen (18) hours of subjects such as BIO 339, 420, 421, 424, 425, 436, 437, and 438; and six (6) hours of aquatic biology such as BIO 440, 449, 453, 465, 466, and 467.

3. Recommended courses in areas of pre-professional training in medicine, dentistry, pharmacy, and veterinary science are outlined in this **Bulletin** in the beginning section of the College of Science.

GULF COAST RESEARCH LABORATORY

The University of Southern Mississippi is closely allied with the Gulf Coast Research Laboratory at Ocean Springs. Staff members and biology majors in both the graduate and undergraduate schools have been active participants in the work at the Gulf Coast Research Laboratory. It is strongly recommended that all majors in biology take at least

a six-weeks' program in marine biology as offered at the Laboratory. The following courses are to be had only at the Gulf Coast Research Laboratory: BIO 481, 483, 484, 485, 488, 489.

DEPARTMENT OF CHEMISTRY (CHE—320)

John H. Bedenbaugh, Chairman

A. Bedenbaugh, C. Brent, Hampton, Hawkridge, J. Howell, Krubsack, D. C. McCain, Pinson, Toom, van Aller, Wertz, H. Williams

A student planning to major in chemistry may elect either the Bachelor of Science or the Bachelor of Arts degree. For information concerning the master's degree and the Doctor of Philosophy degree, see the **Graduate Bulletin.** A major in chemistry will include not less than thirty-six (36) semester hours of chemistry.

The Department of Chemistry is accredited by the Division of Chemical Education of the American Chemical Society. A chemistry major may graduate as a chemist certified by the American Chemical Society. In order to obtain this certified degree the following curriculum is prescribed.

ACS CERTIFIED DEGREE

Chemistry 101, 102, 103
Chemistry 351, 352, 353
Chemistry 311, 312, 411
Chemistry 461, 462, 463
Chemistry 431
Chemistry electives—9 hours to be chosen from 300, 451, 452, 421, 422, 432, 441, 496

Suggested Prerequisites or Corequisites
English 101, 102, 332
Mathematics 101, 103, 171
Mathematics 276, 277, 378
Mathematics 379, 405
Physics 201, 202, 203 or 101, 102, 103
History 101, 102
Political Science 101
Philosophy 253
Allied Arts 100
Public Address 111

Electives—27 hours
Recommended electives GEN 442
CSS 240, CSS 340, GHY 101, PHY 361, FL 121, 122, 221, 222

CHEMISTRY MAJOR (NON-ACS CERTIFIED)

A major in chemistry will include not less than thirty-six semester hours of chemistry and must consist of:

Chemistry 101, 102, 103
Chemistry 351, 352, 353
Chemistry 311, 312
Chemistry 461, 462, 463

Recommended companion courses are:

Mathematics 101, 103, 171
Mathematics 276, 277, 378, 379 (calculus)
Physics 201, 202, 203 or 101, 102, 103

SECONDARY EDUCATION

A major in chemistry for secondary education will include not less than twenty-seven (27) hours and must consist of:

Chemistry 101, 102, 103
Chemistry 351, 352, 353
Chemistry 311, 312

DEPARTMENT OF COMPUTER SCIENCE AND STATISTICS (CSS—330)

Danny R. Carter, Acting Chairman

Burge, Nagurney, Nissan, Phillippi, Stewart, Walters

The Computer Science and Statistics Department is designed to meet the great demand for trained personnel in electronic computers, and statistics in business, space and missile programs, engineering, government, and the academic world. The department provides training in digital as well as analog computer techniques. Current course offerings provide for an academic major in computer science, data processing, or statistics at the undergraduate level and a minor in statistics at the graduate level.

The department has initiated a cooperative education program with industry for selective students. The students selected for this program attend school and work on alternate quarters.

REQUIREMENTS FOR MAJOR COMPUTER SCIENCE

The courses required for a baccalaureate major in computer science are listed below by sets.

(A) CSS 240, 320, 340, 341, 342, 460, 461
(B) CSS 323, 420, 421, 470, 471, 476
(C) CSS 415, 416, 417, 435, 436

Requirements for Majors:

(2) All courses from Set (A)	21
(3) Three courses from Set (B)	9
(4) Two courses from Set (C)	6
Total	36

A minor of twenty-one (21) hours is also required. Suggested minors include the following: accounting, mathematics, physics, or statistics.

Statistics

CSS 435, 436—Theoretical Statistics
CSS 415, 416, 417—Methods of Mathematical Statistics

The remainder of the twenty-seven (27) hours is to be selected with the approval of the department chairman. Psychology 360 may be taken in the Department of Psychology and applied to a major or minor.

A minor of twenty-one (21) hours is also required. Suggested minors include the following: computer science or mathematics.

DATA PROCESSING

(This is an interdisciplinary major offered in conjunction with the Department of Accounting, School of Business Administration.)

		Hours
*Freshman and Sophomore Curriculum		72
CSS 211, 212—Elementary Statistics I and II		6
FIN 295—Fundamentals of Business Law		3
FIN 400—Computers in Decision Making		3
MGT 360—Principles of Management		3
MAT 276, 277—Calculus I and II		6
Accounting courses as listed below:		15
ACC 301—Intermediate Accounting I	3	
ACC 302—Intermediate Accounting II	3	
ACC 320—Elementary Cost Accounting	3	
ACC 330—Federal Income Tax I	3	
ACC 450—Accounting Systems	3	

*The student must take at least eight hours of laboratory science.

	Hours
Computer Science courses as listed below:	22
CSS 320—Introduction to Linear Programming Techniques	3
CSS 340—Advanced Fortran Programming	3
CSS 341—Digital Computer Programming	3
CSS 342—Introduction to COBOL Programming	3
CSS 440—Educational Statistics	3
CSS 460—Computer Software I	3
CSS 480—Data Processing and File Management	4

DEPARTMENT OF GEOLOGY (GLY—340)

Charles M. Hoskin, Acting Chairman

Bowen, B. W. Brown, Paulson, Sundeen

Students may major in geology as preparation for careers in development of natural resources, regional and national planning, research, secondary education, college and university teaching, oceanography, exploration of the Earth and Space, and other allied occupations. Either a Bachelor of Science or Bachelor of Arts program may be taken, and graduate work through the master's degree is offered in the department.

High School Preparation. Secondary students planning to prepare for professional careers in the geological sciences should complete credits in biology, chemistry, and physics (if available), mathematics through second-year algebra, solid geometry, and trigonometry (or equivalent). Other desirable credits include foreign language, engineering drawing or similar courses in drafting and typing.

Bachelor of Science Program. For the Bachelor of Science in Geology, the following courses, in addition to the requirements of the University Core and the College of Science, are required:

Mathematics through Analytic Geometry

Chemistry 101-102-103

Physics 101-102-103 (or 201-202-203)

Geology 101, 102, 103, 104, 201, 241, 301, 308, 403, and six hours of a summer geology field course. The requirement for field geology may be met by taking summer geology courses offered at marine stations, such as the Gulf Coast Research Laboratory in Ocean Springs, Mississippi.

Minor. A minor of twenty-one (21) hours is also required. Suggested minors include the following: biology, chemistry, computer science, geography, mathematics, or physics.

SUGGESTED GEOLOGY 4-YEAR CURRICULUM

A curriculum which prepares the students for professional employment or advanced study in geology is suggested below (students wishing to prepare for careers in paleontology, geochemistry, geophysics, or oceanography should consult with their departmental adviser regarding desirable modifications from this curriculum).

Freshman

Fall	Winter	Spring
ENG 101	ENG 102	ENG 332
CHE 101	CHE 102	CHE 103
GLY 101	GLY 102	GLY 104
MAT 171	GLY 103	MAT 277
PE or ROTC/AFROTC	MAT 276	PE or ROTC/AFROTC

Sophomore

PHY 201 (or 101)	PHY 202 (or 102)	PHY 203 (or 103)
GHY 103	HIS 101	HIS 102
ECO 100 or 256	PA 111 or Elective	Allied Arts 100 or PHI 253
CSS 240	CSS 341	GLY 201
PE or ROTC/AFROTC		

Junior

GLY 301	GLY 304	GLY 405
GLY 308	GLY 302	GLY Elective
CHE 311	CHE 312	PS 101
GLY Elective	GLY 241	CHE 361 or 411
	Summer Field Camp (6)	

Senior

GLY 401	GLY 403	GLY 407
GLY 474	GLY 474	Elective
GER, FRE, or RUS I	GER, FRE, or RUS II	GER, FRE, or RUS III
ECO 335, FIN 295, or 375, or MGT 360	Minor Elective	Minor Elective
Elective	Elective	

The department has a cooperative arrangement with the Gulf Coast Research Laboratory. Certain courses in marine sedimentation may be taken at the Laboratory; these are generally taught in the summer.

GEOLOGY MINOR AND PREPARATION FOR SECONDARY EDUCATION, EARTH SCIENCE TEACHING

The following courses are suggested for students seeking a geology minor or preparation for earth science teaching in secondary schools: GLY 101, 102, 103, 104, 201, 241, 301, and 304.

DEPARTMENT OF MATHEMATICS (MAT—350)

David J. Caveny, Chairman

B. J. Davis, Doblin, Dunigan, Essary, Howell, King, Knighton, Light, Morrell, V. Mullins, Munn, Oxford, Pye, Ratcliff, Thrash, Webster

The Department of Mathematics offers a major and minor for students who are candidates for the Bachelor of Arts or the Bachelor of Science, the Master of Arts or the Master of Science degrees, the Master of Philosophy, and, in cooperation with the College of Education and Psychology, the Master of Education and the Doctor of Education degrees. For information concerning degrees beyond the bachelor's degree consult the **Graduate Bulletin.**

It is assumed that mathematics or science majors will have had Algebra I, Algebra II, geometry, and trigonometry in high school. These students should begin their mathematics program with MAT 171 and/or MAT 276. The same applies to any student with a strong background in secondary school mathematics. Students without this background in mathematics should elect MAT 103 and/or MAT 101. Mathematics majors should take MAT 341 and 326 concurrently with some of the calculus courses. A student majoring in mathematics may not apply credit earned in MAT 100, MAT 112, MAT 210, MAT 310, or MAT 312 toward the 128 hours required for a baccalaureate degree.

The courses required for a baccalaureate major are listed below by sets in order to facilitate the proper selection of course sequences.

(A) Mathematics 276, 277, 378, 379, 326, 341.
(B) Mathematics 405, 423, 426, 436, 441, 470, 475.

Requirements for Majors:	**Hours**
(1) All courses in Set A	18
(2) Four courses from Set B	12
(3) Any 400 level course other than MAT 410 or MAT 430	3
Total	33

Recommendations for Minors:	**Hours**
(1) All courses in Set A	18
(2) One or more courses from Set B	3
Total	21

The curriculum of the Department of Mathematics is designed to meet the following objectives:

(i) prepare students for industrial or commercial employment,
(ii) prepare students to teach secondary school mathematics,
(iii) prepare students for graduate study in mathematics.

The following courses are strongly recommended for:

(1) Prospective elementary school teachers: MAT 210, 310, 341, 410. If other courses are desired; 101, 103.
(2) Prospective teachers of secondary school mathematics: The state certification requirements in mathematics for a Class A certificate are:
twenty-four (24) semester or thirty-six (36) quarter hours to include the following:
    (i) Fifteen (15) semester or twenty-four (24) quarter hours to include Algebra 101, Trigonometry 103, Analytic Geometry 171, Calculus 276 and 277.
    (ii) Nine (9) semester or twelve (12) quarter hours to include at least two of the following areas: Abstract Algebra 423 or 424, Modern Geometry 470, Foundations of Mathematics 341, Probability and Statistics 420.

If other mathematics courses are desired, the student should take courses that will prepare him to do graduate work in mathematics.

A student may choose as many areas of certification as he desires just so he meets the certification requirements for the area. For mathematics these requirements are (i) and (ii) above.

DEPARTMENT OF MEDICAL TECHNOLOGY (MTC—354)

William G. Brundage, Chairman

Thomas F. Puckett, Clinical Director
Robert T. Crews, Education Coordinator
Atchison, Barrett, Cooke, Curry, Dore, Owen, Roush, L. Smith, Stith

The Department of Medical Technology is accredited by the Council on Medical Education of the American Medical Association. Upon successful completion of the program, students receive the Bachelor of Science degree in Medical Technology and become eligible to take the National Registry Examination given by the Board of Registry, American Society of Clinical Pathologists. For information on the Master of Science degree, please consult the **Graduate Bulletin.**

Requirements for Major

A student majoring in the Department of Medical Technology must complete courses outlined for the freshman, sophomore, and junior years. During the junior year, the student will apply to the department and the Board of Schools of the American Society of Clinical Pathologists

for admission into the senior year. The fourth year of training consists of two phases: Phase I, a six-month didactic session on the University of Southern Mississippi campus; and Phase II, a six-month clinical session at one of our affiliated hospitals. Affiliated hospitals are: Memorial Hospital, Gulfport, Mississippi; Forrest County General Hospital, Hattiesburg, Mississippi; and Singing River Hospital, Pascagoula, Mississippi.

Two senior classes are accepted each year, one in June and one in December.

CURRICULUM

Freshman

Fall	Winter	Spring
ENG 101	ENG 102	Social Science
CHE 101	CHE 102	CHE 103
BIO 101	BIO 102	BIO 202
MAT 101	MAT 103	MAT 171 or CSS 100
PE or MS	PE or MS	

Sophomore

CHE 251	CHE 252	CHE 321
MIC 101	Elective	Social Science
GEN 451	Social Science	PHI or AA
ENG 332	HIS	HIS

Junior

MIC 411	MIC 412	MIC 441
BIO 424	BIO 425	ESC 411
CHE 311	CHE 312	CHE 441
CHE 322	Elective	MIC 405
		MTC 400

Senior

Didactic Session	Clinical Session
MTC 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412	MTC 451, 452, 455, 456, 457, 458, 459

DEPARTMENT OF MICROBIOLOGY (MIC—310)

Peter K. Stocks, Chairman

Ellender, Howard, Schultze, Seymore, Yarbrough

The Department of Microbiology offers programs of study leading to the degrees of the Bachelor of Science, the Master of Science, and the Doctor of Philosophy. For information on the master's and the Doctor of Philosophy programs please consult the **Graduate Bulletin.**

The Department of Microbiology is designed to prepare students for careers in medical and industrial (applied) microbiology and genetics. Current course offerings provide for an undergraduate major or minor in microbiology or a minor in genetics.

Requirements for Major

A student majoring in the Department of Microbiology must complete a minimum of thirty-two (32) semester hours including the following specific courses:

	Hours
Microbiology 101, 301, 408, 455	12
Genetics 402, 403, 461	10
Biology 448, 449	6
Chemistry 101, 102, 103, 351, 352, 353	19
Physics 101, 102, 103	9
Mathematics 171, 276, 277	9

SUGGESTED FOUR-YEAR CURRICULUM FOR MICROBIOLOGY MAJORS

Freshman

Fall	Winter	Spring
ENG 101	ENG 102	ENG 332
MIC 101	MIC 301	MIC 408
CHE 101	CHE 102	CHE 103
MAT 171	MAT 276	MAT 277
PE or ROTC/AFROTC	PE or ROTC/AFROTC	PE or ROTC/AFROTC

Sophomore

CHE 351	CHE 352	CHE 353
PHY 101	PHY 102	PHY 103
MIC 411	MIC 412	MIC 441
GEN 402	GEN 403	GEN 461

Junior

CHE 311	CHE 312	AA 100
HIS 101	HIS 102	PSY 110
MIC 405	MIC 421	MIC 455
CSS 211	CSS 212	CSS 240

Senior

PHI 253	ECO 200	MIC 481
MIC 471	BIO 448	BIO 449
CHE 421	CHE 422	Elective
BIO 424	BIO 425	ESC 411

INSTITUTE OF GENETICS (GEN-312)

Karen M. Yarbrough, Director

Howard

The Institute of Genetics participates in programs leading to the Master of Science and the Doctor of Philosophy degrees through the Department of Microbiology. Information on these programs may be obtained from the **Graduate Bulletin.** The Institute of Genetics also offers a minor in genetics at the bachelor's level.

A minimum of twenty-one (21) semester hours are required which should include GEN 402, 403, and 451. The remainder of the program is to be selected with the approval of the Director of the Institute of Genetics.

DEPARTMENT OF PHYSICS (PHY—360) AND ASTRONOMY (AST—365)

William E. Hughes, Chairman

Folse, Herzog, Rayborn, St. Clair, J. Wood

The primary objectives of the Department of Physics are to provide students with sufficient basic information and technical skills in the various areas of physics so that they may be qualified to:

(a) Serve as teachers in secondary schools. A physics major for this group will include PHY 101, 102, 103 or PHY 201, 202, 203; PHY 341, 361, 362, plus 9 hours of any other physics courses above the 200-level (total 27 hours). Mathematics through Calculus is required.

(b) Serve as physicists in government or industry. Physics majors for this group will include PHY 101, 102, 103 or PHY 201, 202, 203; PHY 341, 350, 351, 361, 362, 421, 422, 423, 424, plus 6 hours of other physics courses above the 200-level (total 38 hours). The prerequisite mathematics for the physics courses may constitute the minor, or the student may elect to complete any additional allied science for the minor. Chemistry 101, 102, and 103 and mathematics through Differential Equations are required.

(c) Pursue professional work and graduate study in physics. It is the intent of the Physics Department to meet the recommendations of the **American Institute of Physics—National Science Foundation Committee on Curriculum for Undergraduate Physics Majors.** Any student planning to do graduate work in physics should consult the department about additional undergraduate credits in physics and mathematics. Chemistry 101, 102, and 103 are required.

NOTE: Astronomy 311, 312, 313 do not fulfill the physics courses which may be elected in (b) and (c) above.

Leaflets giving outlines of undergraduate programs that will meet all departmental and University requirements are available from the departmental office. Students planning to major in physics should obtain these leaflets as soon as possible.

It is assumed that the high school mathematical preparation of entering freshman students includes Algebra I, Algebra II, geometry, and trigonometry.

DEPARTMENT OF POLYMER SCIENCE (PSC—370)

Gary C. Wildman, Chairman

Bufkin, Massey, Thames

The Department of Polymer Science offers programs of study leading to the degrees of the Bachelor of Science in Polymer Science, the Bachelor of Science in Plastics Technology, the Master of Science in Polymer Science, and the Doctor of Philosophy in Polymer Science. For information concerning the master's and Doctor of Philosophy degree, see the **Graduate Bulletin.**

BACHELOR OF SCIENCE IN POLYMER SCIENCE

The objective of this curriculum is to prepare the graduate to enter the industrial community or to continue his studies at the graduate level. The Bachelor of Science in Polymer Science constitutes an interdisciplinary program of study and, therefore, no minor is required.

THE BACHELOR OF SCIENCE IN POLYMER SCIENCE

Requirements	Hours
Polymer Science	25
Physics	9
Computer Science	9
Chemistry	18
Environmental Science (ESC 411)	4
Mathematics	18
Basic Core of the College of Science	
Electives	

A student entering this program should consult with his adviser concerning the identity and chronological order of the courses to be taken.

The following is a suggested list of the scientific courses that should be taken:

PSC 301, 302, 303, 401, 402, 403, 470, 471
PHY 201, 202, 203
CSS 240, 340, plus one CSS elective
CHE 101, 102, 103, 351, 352, 353
ESC 411
MAT 171, 276, 277, 378, 379, 405

Each student is encouraged to complete an independent research project (PSC 490, 491) during his last two quarters. Additional electives from the College of Science and the School of Business Administration are selected according to each student's career plans.

BACHELOR OF SCIENCE IN PLASTICS TECHNOLOGY

The curriculum for the Bachelor of Science degree in Plastics Technology is the joint responsibility of the Department of Industrial and Technical Education and the Department of Polymer Science. As an interschool major, the student may elect to seek a degree in the College of Education and Psychology or in the College of Science. The student is required to complete the core requirements of the appropriate college. A plastics technology student will complete a minimum of forty-two (42) semester hours in the major field. No minor is required.

The curriculum for the Bachelor of Science in Plastics Technology is designed to prepare the student to enter the rapidly expanding plastics industry. The following course outline is a suggested program of study:

Freshman

Core requirements plus Chemistry 101, 102, 103; (Drafting, if none in high school)

Sophomore

Complete core including physics

Junior	**Hours**
Polymeric Materials I, II, III (PSC 350, 351, 352)	9
Analytical Mechanics I & II (ITE 361, 362)	6
Plastics Technology I, II & III (PSC 360, 361, 362)	9
Machine Shop (ITE 342)	3
Physical Properties of Polymers I (PSC 460)	3
Plastic Mold Design (ITE 363)	3
Plastic Mold Construction (ITE 364)	3

Senior	**Hours**
Electrical Controls and Power Circuits (ITE 306)	3
Plastics Technology IV (ITE 365)	3
High Polymers I & II (PSC 402, 403)	6
Physical Properties of Polymers II (PSC 461)	3
Industrial Instrumentation (ITE 308)	3
Plastics Industry Organization (ITE 367)	3
Plastics Seminar (PSC 493)	2
Electives and other as required	

DEPARTMENT OF SCIENCE EDUCATION—(SCE—380)

Including Fundamentals of Science (FS—390)

Bobby N. Irby, Chairman

Bellipanni, F. Brown, I. Brown, Craven, Dale, Flowers, Hurst, Matthews, Milkent, Sonnier

The Department of Science Education is operated jointly by the College of Science and the College of Education and Psychology. The

facilities are in the College of Science. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

Objectives

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Elementary Education, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide programs for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Programs

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year of college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in a particular science, depending upon the area, requires from twenty-three (23) to twenty-nine (29) semester hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specific sciences and general science. A general outline of the program is given below:

Freshman

	Hours
English 101, 102, 332	9
Mathematics 101, 103, 171	9
Chemistry 101, 102, 103	9
American Government, PS 101	3
Allied Arts 100	3
Health 101	3

Sophomore

Biology 101, 102, 202	12
Literature or Advanced Grammar, ENG 200, 201, 202, or 401	6
History 101, 102	6
Geography 223 or 224	3
Physics 101, 102, 103	9

Junior

Psychology 110	3
Sociology 101	3

Public Address 111 3
Geology 101, 103 6
Begin prescribed (27 hours) professional education sequence
Additional sciences (Note: biology specialists must complete organic chemistry.)

Senior

Complete education sequence .....(total) 27
CIS 456 (quarter preceding student teaching) 3
CIS 313, 486 12
Science Education 400-level course in specific science area 3
Complete required science courses and credits needed for graduation.
Biology courses for specialization—101, 102, 202, 401, 485, two electives, and MIC 101 and 301.
Chemistry courses for specialization—101, 102, 103, 311, 312, 351, 352, 353.
Earth Science courses (being interdisciplinary, courses are utilized from three departments) GLY 101, 103, 301, 241 or 304; AST 311, 312, 313; GHY 223, 224, 325, and one elective.
Physics courses for specialization—101, 102, 103, 361, 362, and three electives.

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be over-emphasized that students should consult with their assigned adviser each quarter. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Students in the College of Science and in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses (the 100 series) consist of lecture demonstration sessions of 200 minutes and 210 minutes per week. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines. Credit for these courses will not count toward the degree requirements for a major or minor in the sciences or in the elementary school science teaching.

Inasmuch as there is overlapping and duplication in these courses and those offered by various other science departments, the student should read carefully the limitations for each of the Fundamentals of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses since they may be taken in any sequence the student chooses.

DIVISION OF EXTENSION AND PUBLIC SERVICE

Gomer J. Pound, Dean

The Division of Extension and Public Service enables the University to extend its resources of knowledge, skills, and artistry to all who seek to profit from them. This is accomplished through the operation of two degree-granting campuses, and the activities of Departments of Independent Study, Conferences and Workshops, and Community Services and Programs. In addition, courses are scheduled throughout the state which are designed to provide for the needs of individual populations.

UNIVERSITY OF SOUTHERN MISSISSIPPI—GULF PARK

Joe E. Holloway, Associate Dean

The University of Southern Mississippi—Gulf Park is situated attractively on the Gulf Coast in Long Beach. Some classes offered through Gulf Park meet at Keesler Air Force Base and in the facilities of the Mississippi Gulf Coast Junior College at Gautier. Upper division and graduate courses are available to part-time commuting students. Degree programs are offered in general business, and in elementary and secondary education. These programs follow regulations and curricula outlines found in the appropriate sections of this **Bulletin.** For further details write:

USM—Gulf Park
Long Beach, MS 39560

UNIVERSITY OF SOUTHERN MISSISSIPPI—NATCHEZ

Billy W. Gore, Acting Associate Dean

The University of Southern Mississippi—Natchez is located in beautiful and spacious Duncan Park. Upper division and graduate courses are offered to part-time commuting students in the region. Through a cooperative arrangement with Copiah-Lincoln Junior College, which operates a branch in Natchez, students can take all four years of a baccalaureate degree, then progress to master's work in Natchez. Degree programs are offered in general business, and in elementary and secondary education. These programs follow regulations and curricula outlines found in the appropriate sections of this **Bulletin.** An Associate Degree Program in Nursing is also administered at the University of Southern Mississippi—Natchez campus. For further details of any program at Natchez, please write:

USM—Natchez
Natchez, MS 39120

DEPARTMENT OF INDEPENDENT STUDY

Joseph E. Tinnon, Director

The Department of Independent Study offers approximately one hundred courses which may be taken for University credit. These courses count for regular credit in the University and for approved credit on State Certificates for Teaching. As many as thirty-two (32) semester hours (no more than eight (8) in any one academic area) of the total 128 hour baccalaureate degree requirements may be earned in independent study courses, subject to the provisions outlined in detail in the Department of Independent Study 1972-1973 **Bulletin.**

Independent study courses are particularly suited to the needs of the student who wishes to move at his own rate, and for the student who is

unable to attend a university. These courses allow the student to earn credit through the advantages of home study.

The Department of Independent Study has a contract with the United States Armed Forces Institute of Madison, Wisconsin. Under the terms of this contract, the United States Government will pay the tuition charge of independent study courses for members of the Armed Forces throughout the world. Additional information concerning independent study courses for military personnel may be obtained from the 1972-1973 **Bulletin** of the Department of Independent Study or from the 1972 edition of the United States Armed Forces Institute's publication entitled, "Correspondence Courses Offered by Colleges and Universities through the United States Armed Forces Institute."

A complete high school curriculum is available through independent study, and courses are acceptable as entrance credits by the University. A High School Independent Study Catalog is available on request.

For further information, contact:

Director, Department of Independent Study
University of Southern Mississippi
Southern Station, Box 56
Hattiesburg, Mississippi 39401

DEPARTMENT OF CONFERENCES AND WORKSHOPS

Joseph E. Tinnon, Director

The Department of Conferences and Workshops has the responsibility of coordinating all credit and non-credit conferences, institutes, and workshops sponsored by the University. This department stands ready at all times to assist University departments, and educational, professional, business, and industrial groups in setting up conferences, institutes, or workshops.

Either academic credit or continuing education unit (c.e.u.) credit may be awarded for conference, institute, or workshop attendance, provided the activity is offered through an existing course number or is given prior approval by the appropriate University Council. The number of contact hours necessary for a three semester hour workshop is equivalent to the number of contact hours necessary for satisfactory completion of a regular on-campus course.

Conveniently located and comfortable building facilities are available on or near the three University campuses for groups of any size. Meals and housing in air-conditioned facilities, all at nominal rates, are also available to individuals participating in both credit and non-credit programs at the Hattiesburg and Gulf Park campuses. Additional conveniences include the location of motels, restaurants, shopping centers and recreational facilities within walking distance.

DEPARTMENT OF COMMUNITY SERVICES AND PROGRAMS

B. Glynn Rawson, Director

The Department of Community Services is set up to aid individuals, both university and non-university, in tapping the resources of the University in non-credit programs. Non-credit special interest classes are organized on the University's campuses. The department also assists groups and organizations who request the use of University facilities for meetings or other special non-credit activities. Other services provided by this department include assisting outside organizations such as high schools, junior and senior colleges, civic organizations, etc., in obtaining University talent. This talent may take the form of speakers, dramatic

and musical groups, and many of the other resources representative of the University.

The community services program, much like the conference and workshop area, thrives on suggestions from individuals who see a need for a special type of activity. Professionals on both staffs are available to assist these people with the realization of their ideas through utilization of University facilities and personnel.

COURSE DESCRIPTIONS

ACCOUNTING (ACC—605)

201—**Principles of Accounting I.** Three hours. Quarterly.
The meaning and purpose of accounting; accounting statements and the accounting cycle; special journals; notes and interest; bad debts; inventories.

202—**Principles of Accounting II.** Three hours. Quarterly.
Prerequisite: ACC 201.
Plant assets and depreciation; bank reconciliation and petty cash; voucher system; concepts and principles; payrolls; taxes; partnerships; corporations.

204—**Principles of Accounting—Accelerated.** Six hours. Fall.
A combination of ACC 201 and ACC 202 offered in one term. May be taken in lieu of ACC 201 and ACC 202, but not in addition to either.

300—**Administrative Applications of Accounting**. Three hours. Quarterly.
Prerequisite: ACC 202 (for non-accounting majors).
A study of the uses of accounting data with particular emphasis on internal uses of quantitative data and their significance to management. May not be taken for credit toward an accounting major.

301—**Intermediate Accounting I.** Three hours. Quarterly.
Prerequisite: ACC 202.
A resume of accounting theory and a brief review of accounting statements, followed by an intensive study of inventories, intangible assets, fixed assets, cash and temporary investments, receivables, and current and contingent liabilities.

302—**Intermediate Accounting II.** Three hours. Quarterly.
Prerequisite: ACC 301.
A study of permanent investments, long-term debt, corporate capital, statements from incomplete data, correction of errors, special problems of income determination, analytical techniques, fund and cash flow statements.

304—**Intermediate Accounting—Accelerated.** Six hours. Winter.
Prerequisite: ACC 202.
A combination of ACC 301 and ACC 302 offered in one term. May be taken in lieu of ACC 301 and ACC 302, but not in addition to either.

320—**Elementary Cost Accounting.** Three hours. Quarterly.
Prerequisite: ACC 202.
The accountant's role in the organization; cost terminology; cost-volume-profit relationships; job order and process cost accounting; standard costs and analysis of variances.

330—**Federal Income Tax Accounting I.** Three hours. Fall, Winter, Spring.
Prerequisite: ACC 301 or consent of instructor.
An introductory course with emphasis on the computation and reporting of ordinary income, capital gains and losses, exclusions, and deductions applicable principally to individuals.

401—**Advanced Accounting I.** Three hours. Quarterly.
Prerequisite: ACC 302 or consent of instructor.
Partnership accounting, joint ventures, consignments and installment sales, home office and branch, fund accounting, and annuities.

402—**Advanced Accounting II.** Three hours. Quarterly.
Prerequisite: ACC 401 or consent of instructor.
A brief introduction to consolidated financial statements, accounting for fiduciaries, governmental accounting, and actuarial science.

405—**Current Accounting Theory and Research.** Three hours. Quarterly.

Prerequisites: ACC 320, 402, 409, or consent of instructor.

The study of current accounting problems, with special emphasis on the published bulletins (pronouncements) of professional accounting organizations. Students will explore specific contemporary controversial topics and write research papers.

409—**Auditing.** Three hours. Quarterly.

Prerequisite: ACC 302.

A study of auditing principles, techniques, and procedures, professional ethics and legal responsibility, the audit program, field work, and the audit report.

420—**Advanced Cost Accounting and Budgeting.** Three hours. Quarterly.

Prerequisite: ACC 320.

A study of the uses and limitations of cost analysis in managerial decision making and control. Emphasis will be on relevant costs, capital budgeting, joint and by-product costs, inventory planning and control, and direct costing. Students will be required to read articles in current literature pertaining to cost and managerial accounting.

430—**Federal Income Tax Accounting II.** Three hours. Winter, Spring.

Prerequisite: ACC 330.

A continuation of ACC 330 with emphasis on research in taxation, accounting methods, special sales, payment of taxes, guides for partnerships, estates, trusts, and corporations, and preparation and filing of required returns.

450—**Accounting Systems.** Three hours. Winter, Spring.

Prerequisite: ACC 401 or consent of instructor.

A study of the nature and procedure of systems work with attention given to the design and use of accounting systems and procedures.

460—**Consolidated Statements and Accounting for Fiduciaries.** Three hours. Fall.

Prerequisite: ACC 401 or consent of instructor.

An in-depth study of fiduciary accounting principles and reports, parent and subsidiary accounting including consolidations and mergers, and foreign exchange.

470—**Municipal and Governmental Accounting.** Three hours. Spring.

Prerequisite: ACC 202.

An in-depth study of the principles and standards of governmental accounting, with emphasis on classification of accounts, fund accounting, statements, and reports.

492—**Research in Accounting Problems.** One to three hours.

Prerequisites: Senior standing and approval of instructor.

A seminar course for advanced study in problems in cost accounting budgeting, auditing, income tax, or governmental accounting.

ADULT EDUCATION (CIA-110)

440—**Methods and Materials in Adult Basic Education.** Three hours. Winter.

The uses and adaptation of various materials and techniques for teaching adults will be reviewed with specific study of the relationship of basic subject matter and teaching methods.

441—**Foundations of Reading Instruction for the Adult.** Three hours.
This course is designed to examine the basis of reading instruction in relation to the needs and characteristics of the non-literate adult. Topics included are: the reading process; essential reading skills; effects of economic, personal, and social forces; and a review of current literature.

442—**Methods and Materials for Teaching Adults to Read.** Three hours.
This course will include a study of materials and methods appropriate for teaching reading to functionally illiterate adults. Materials, diagnostic and evaluative procedures, and laboratory experiences will be included.

445—**Teaching the Disadvantaged Adult.** Three hours. Fall.
A study of the educational problems of culturally deprived and handicapped adults. Characteristics and needs are related to programs and procedures found to be successful.

490—**Special Problems in Adult Education.** One to three hours. Arranged.
A consideration of special areas of interest in adult education. May be arranged for an individual or a group with common interests. Permission of the department chairman required.

495—**Internship in Adult Education.** Nine hours. Fall, Winter, Spring.
A nine-months supervised experience for practicing teachers of adults. Offered fall through spring only. Those who desire to use this course as a part of a degree program in Technical Education should see the chairman of the Department of Industrial and Technical Education.

AEROSPACE STUDIES (AOS—202)

First-Year Aerospace Studies

101—**General Military Course.** One hour. Fall.

102—**General Military Course.** One hour. Winter.

103—**General Military Course.** One hour. Spring.

Second-Year Aerospace Studies

201—**U. S. Aerospace Support Forces.** One hour. Fall.

202—**Trends and Implication in the Pursuit of Peace.** One hour. Winter.

203—**World Military Alliances.** One hour. Spring.

Third-Year Aerospace Studies

301—**Growth and Development of Aerospace Power.** Two hours. Fall.

302—**Growth and Development of Aerospace Power.** Two hours. Winter.

303—**Astronautics and Space Operations.** Two hours. Spring.

Fourth-Year Aerospace Studies

401—**Military Leadership and Discipline.** Two hours. Fall.

402—**Leadership and Management Skills.** Two hours. Winter.

403—**Military Management and Pre-Commissioning.** Two hours. Spring.

404—**Flight Instruction Program.** Two hours. Quarterly.

ALLIED ARTS (AA—655)

100—**Introduction to the Arts.** Three hours. Quarterly.
An overview of the fine arts with examination, through team teaching, of the nature of musical, plastic, and theatrical art forms.

ANTHROPOLOGY (ANT—286)

REL 332, **Primitive Religion,** may also be offered by students as credit towards a major or minor in anthropology.

211—**General Anthropology.** Three hours. Quarterly.
A beginning course in anthropology stressing the origin and the evolution of man, culture, and society.

212—**Cultural Anthropology.** Three hours. Quarterly.
A comparative approach to the analysis of human cultural and social diversity. Includes an outline survey of world culture areas.

213—**Physical Anthropology.** Three hours. Winter, Summer.
Origin and description of the diverse races of man.

214—**Introduction to Archeology.** Three hours. Fall, Spring.
Methods and findings of archeological research with particular reference to the high civilizations of the Old and New Worlds. Students will also have the opportunity to participate in a local "dig".

311—**Language and Culture.** Three hours. Winter, alternate years.
Origin and inter-relationship of the major languages of the world.

312—**Peoples and Cultures of Europe.** Three hours. Spring, alternate years.
Ethnology of Europe and the adjacent North African and Middle Eastern territories.

313—**Peoples and Cultures of Africa.** Three hours. Fall, alternate years.
An ethnological survey of the major culture areas of the African continent with particular reference to Sub-Saharan Africa.

314—**Peoples and Cultures of the Orient.** Three hours. Spring, alternate years.
Ethnological survey of Asia including Oceania and Australasia.

315—**Peoples and Cultures of the Americas.** Three hours. Winter, alternate years.
Ethnological survey of the Americas stressing pre-Columbian and North American Indian cultures.

411—**Comparative Indo-European Studies.** Three hours. Spring.
A survey of contemporary Indo-European studies designed to illustrate the proper use of comparative method and the effective integration of archeological, historical, linguistic, and mythological data.

412—**Mythology and Folklore.** Three hours. Winter, alternate years.
The utilization of folklore and mythological data in anthropological research.

413—**Anthropological Theory.** Three hours. Spring, alternate years.
A general survey of the history of anthropological thought and of the major contemporary schools of anthropological theory.

492—**Special Problems.** One to three hours. As required.
A problem study to be approved by the department chairman.

APPLIED MUSIC AND ORGANIZATIONS (APM—670)

First Year

101-102-103	Piano	1-2 Hrs. Each
111-112-113	Organ	1-2 Hrs. Each
121-122-123	Strings	1-2 Hrs. Each
131-132-133	Woodwinds	1-2 Hrs. Each
141-142-143	Brass	1-2 Hrs. Each
151-152-153	Percussion	1-2 Hrs. Each
161-162-163	Voice	1-2 Hrs. Each
171-172-173	Ensemble	1 Hr. Each
191-192-193	Composition	1 Hr. Each

181—**Orchestra.** One hour.
May be taken three times.

182—**Band.** One hour.
May be taken three times.

183—**Chorus.** One hour.
May be taken three times.

184—**Jazz Lab Band.** One hour.
May be taken three times.

Second Year

201-202-203	Piano	1-2 Hrs. Each
211-212-213	Organ	1-2 Hrs. Each
221-222-223	Strings	1-2 Hrs. Each
231-232-233	Woodwinds	1-2 Hrs. Each
241-242-243	Brass	1-2 Hrs. Each
251-252-253	Percussion	1-2 Hrs. Each
261-262-263	Voice	1-2 Hrs. Each
271-272-273	Ensemble	1 Hr. Each
291-292-293	Composition	1 Hr. Each

281—**Orchestra.** One hour.
May be taken three times.

282—**Band.** One hour.
May be taken three times.

283—**Chorus.** One hour.
May be taken three times.

284—**Jazz Lab Band.** One hour.
May be taken three times.

Third Year

301-302-303	Piano	1-2 Hrs. Each
311-312-313	Organ	1-2 Hrs. Each
321-322-323	Strings	1-2 Hrs. Each
331-332-333	Woodwinds	1-2 Hrs. Each
341-342-343	Brass	1-2 Hrs. Each
351-352-353	Percussion	1-2 Hrs. Each
361-362-363	Voice	1-2 Hrs. Each
371-372-373	Ensemble	1 Hr. Each
375-376-377	Accompanying	1 Hr. Each
391-392-393	Composition	1-2 Hrs. Each
315	Recital	0-1 Hr. Each

381—**Orchestra.** One hour.
May be taken three times.

382—**Band.** One hour.
May be taken three times.

383—**Chorus.** One hour.
May be taken three times.

384—**Jazz Lab Band.** One hour.
May be taken three times.

Fourth Year

401-402-403	Piano	1-2 Hrs. Each
411-412-413	Organ	1-2 Hrs. Each
421-422-423	Strings	1-2 Hrs. Each
431-432-433	Woodwinds	1-2 Hrs. Each
441-442-443	Brass	1-2 Hrs. Each
451-452-453	Percussion	1-2 Hrs. Each
461-462-463	Voice	1-2 Hrs. Each

471-472-473	Ensemble	1 Hr. Each
475-476-477	Accompanying	1 Hr. Each
491-492-493	Composition	1-2 Hrs. Each
415	Recital	1-2 Hrs.

481—**Orchestra.** One hour.
May be taken three times.

482—**Band.** One hour.
May be taken three times.

483—**Chorus.** One hour.
May be taken three times.

484—**Jazz Lab Band.** One hour.
May be taken three times.

ART (ART—660)

101—**Drawing I.** Three hours. Fall, Winter, Summer.
A study of the possibilities of drawing as the expression of a variety of ways of seeing and thinking.

102—**Drawing II.** Three hours. Winter, Summer.
Prerequisite: ART 101 or permission of instructor.
A continuation of ART 101.

103—**Drawing III.** Three hours. Spring, Summer.
Prerequisite: ART 102 or permission of instructor.
A continuation of ART 102.

111—**Design I.** Three hours. Quarterly.
A study of the elements of plastic structure and some principles of ordering them toward expression.

112—**Design II.** Three hours. Winter, Summer.
Prerequisite: ART 111 or permission of instructor.
A continuation of ART 111.

113—**Design III.** Three hours. Spring, Summer.
Prerequisites: ART 112 or permission of instructor.
A continuation of ART 112.

131—**Theoretical Foundations.** Three hours. Quarterly.
A study of the scope and nature of the plastic expressions with some bases for criticism.

201—**Figure Drawing I.** Three hours. Quarterly.
Prerequisite: Permission of instructor.
Study of the construction and use of the human figure in design. Drawing from the model in various media.

202—**Figure Drawing II.** Three hours. Quarterly.
A continuation of ART 201.

203—**Figure Drawing III.** Three hours. Quarterly.
A continuation of ART 202.

221—**Technical Foundations for Painting.** Three hours. Quarterly.
Prerequisites: ART 103 and 113 or permission of instructor.
Experimental problems with traditional painting media and techniques.

301—**Drawing.** Three hours. Winter, Spring, Summer.
Prerequisite: ART 103 or permission of instructor.
Expressive use of a variety of perspective systems.

304—**Workshop in Drawing.** One to three hours. As needed.
A variety of drawing experiences which may be pursued by students at various levels. May not be used toward the major or minor.

305—**Graphic Arts I.** Three hours. As needed.
Prerequisites: ART 103 and 113 or equivalent or permission of instructor.
A study of design for, and techniques of, the various graphic arts (etching, drypoint, lithograph). Studio problems in some of the above techniques.

306—**Graphic Arts II.** Three hours. As needed.
Prerequisite: ART 305.
Further problems in design and production using various graphic media.

307—**Graphic Arts III.** Three hours. As needed.
A continuation of ART 306.

311—**Design.** Three hours. Winter, Summer.
Prerequisite: ART 113 or permission of instructor.
Studio problems in design.

312—**Design.** Three hours. Spring.
Prerequisite: ART 113 or permission of instructor.
Studio problems in design.

313—**Design.** Three hours. Spring.
Prerequisite: ART 113 or permission of instructor.
Studio problems in design.

321—**Painting I.** Three hours. Fall, Summer.
Prerequisite: ART 221 or permission of instructor.
Problems in painting, using relatively direct visual reference to the external world.

322—**Painting II.** Three hours. Winter, Summer.
Prerequisite: ART 321 or permission of instructor.
A continuation of ART 321.

323—**Painting III.** Three hours. Fall, Summer.
Prerequisite: ART 221 or permission of instructor.
Problems in painting focusing on abstract elemental relationships.

324—**Workshop in Painting.** One to three hours. As needed.
A variety of painting experiences which may be pursued by students at various levels. May not be used toward the major or minor.

331—**Directed Museum and Gallery Tour.** One hour. Between Winter and Spring quarters.
An elective addendum to ART 131. Field trip and tour of a number of galleries and museums for the viewing of original works.

332—**History of Art.** Three hours. Fall.
Pre-historic to medieval. A survey course.

333—**History of Art.** Three hours. Winter.
Medieval to eighteenth century. A survey course.

334—**History of Art.** Three hours. Spring.
Eighteenth century through modern. A survey course.

341—**Commercial Techniques I.** Three hours. Fall, Summer.
Prerequisites: ART 103 and 113 or permission of instructor.
Recommended for those interested in any form of commercial art. The rendering of objects and materials for commercial presentation.

342—**Commercial Techniques II.** Three hours. Winter, Summer.
Prerequisites: ART 103 and 113 or permission of instructor.
Hand and precision lettering and advertising and show card layout.

343—**Commercial Techniques III.** Three hours. Spring, Summer.
Prerequisites: ART 341, 342 or permission of instructor.
A study of commercial illustrative techniques and their application to a variety of layout problems.

344—**Illustration.** Three hours. Spring, Summer.
Prerequisites: ART 201 and 103 or permission of instructor.
Practical problems in the illustration of poems and short stories. Black and white color studies involving the relation of medium and technique to subject.

351—**Three Dimensional Techniques.** Three hours. Fall, Spring.
Prerequisite: ART 113.
Experimental and traditional techniques in the manipulation of clay and plaster including cold casting operations.

352—**Three Dimensional Techniques.** Three hours. Winter, Summer.
Prerequisite: ART 113.
Experimental and traditional techniques in manipulation of metal and wood for expressive purposes.

421—**Painting IV.** Three hours. Winter, Summer.
Prerequisite: ART 323 or permission of instructor.
A continuation of ART 323.

422—**Painting V.** Three hours. Spring, Summer.
Prerequisite: ART 421 or permission of instructor.
A continuation of ART 421.

423—**Painting VI.** Three hours. Spring, Summer.
Prerequisite: ART 421.
A continuation of ART 421.

428—**Painting Project.** Three hours. Quarterly.
Prerequisites: ART 422, 423, or permission of instructor.
Full quarter series or unit project in painting involving considerable research. Seminar.

431—**Ancient Art.** Three hours. As needed.
Prerequisite: ART 332.
The artistic achievements of the ancient world. A careful analysis of import examples correlated with their background.

432—**Medieval Art.** Three hours. As needed.
Prerequisites: ART 333.
A study of the art of the western civilizations from the fall of the Roman Empire to the end of the fourteenth century, including Early Christian and Byzantine sources.

433—**Renaissance Art.** Three hours. As needed.
Prerequisite: ART 333.
The art of Italy, France, Germany, Spain, and the Low Countries from the close of the Middle Ages through the sixteenth century.

434—**Baroque and Rococo Art.** Three hours. As needed.
Prerequisites: ART 333 and 334.
The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century.

435—**Nineteenth Century Art.** Three hours. As needed.
Prerequisite: ART 334.
An analysis of Neo-Classicism, Romanticism, and Impressionism.

436—**Twentieth Century Art.** Three hours. As needed.
Prerequisite: ART 334.
An analysis of Fauvism, Cubism, Futurism, Surrealism, and Expressionism.

441—**Graphic Communication I.** Three hours. Fall, Summer.
Prerequisite: ART 343 or permission of instructor.
Practical problems in advertising design, with particular attention to modern reproduction methods and preparation of suitable copy.

442—**Graphic Communication II.** Three hours. Winter, Summer.
Prerequisite: ART 441.
A continuation of ART 441 including a study of color separation techniques and typographic experiments.

443—**Graphic Communication III.** Three hours. Spring, Summer.
Prerequisite: ART 442.
A continuation of ART 442, with particular emphasis on professional procedure.

448—**Graphic Communication Project.** Three hours. Quarterly.
Prerequisite: ART 443 or permission of instructor.
Full quarter series or unit project in advertising design and presentation involving considerable research. Seminar.

451—**Three Dimensional Expression.** Three hours. Quarterly.
Prerequisites: ART 351 and/or 352.
Aesthetic problems in three dimensional expression.

452—**Three Dimensional Expression.** Three hours. Quarterly.
A continuation of ART 451.

453—**Three Dimensional Expression.** Three hours. Quarterly.
Prerequisite: ART 351 and/or 352.
Problems in three dimensional expression involving some utilitarian considerations.

454—**Three Dimensional Expression.** Three hours. Quarterly.
A continuation of ART 453.

458—**Three Dimensional Design Project.** Three hours. Quarterly.
Prerequisites: ART 452 and 454.
Full quarter series or unit project in three dimensional expression involving considerable research. Seminar.

ART EDUCATION (ARE—665)

107—**Introductory Art.** Three hours. Quarterly.
For non-art majors.
Fundamentals of lettering, drawing, perspective light and shade, color theory, design, and display techniques.

309—**Elementary School Art.** Three hours. Quarterly.
Prerequisite: ARE 107 (elementary education majors); ART 101 and ART 111 (art education majors).
An application of art techniques to the elementary classroom situation through the study of growth patterns, motivation, guidance, and evaluation of class projects.

310—**Public School Art.** Three hours. Fall.
Prerequisite: ARE 309.
An application of art techniques to the secondary classroom situation through the study of growth patterns, unit plans, motivation, guidance, and evaluation of class projects.

320—**Directed Tour of Exemplary Art Education Programs.** Three hours.
Prerequisite: ARE 309 or 310.
This course is designed to give the art education major a chance to observe exempliary art education programs is operation in the United States or abroad. In addition to the tour, the students will prepare a paper summarizing the program or programs visited. Tours will be scheduled during a quarter break, not more than often once a year.

392—**Special Projects for Teachers I, II.** Two hours each. As needed.
Prerequisite: ARE 107.
Projects in art and methods of presentation to children in the elementary grades. Need not be taken in sequence.

412—**Crafts I.** Three hours. Fall.
Prerequisite: ART 113.
A study of the techniques and problems involved in the creation and design of jewelry.

413—**Crafts II.** Three hours. Fall, Winter.
Prerequisite: ART 113 or ARE 412.
A continuation of ARE 412 with emphasis in lapidary work.

414—**Crafts III.** Three hours. Spring.
Prerequisite: ART 113 or ARE 412.
A study of the techniques and problems involved in the creation and design of various fabrics with fibrous materials.

492—**Art Education Project.** Three hours. Quarterly.
Prerequisite: ARE 309 and ARE 310.
A research project of considerable scope and depth in the area of specialized art techniques as applied to the classroom situation.

ASTRONOMY (AST—365)

311, 312, 313—**General Astronomy.** Three hours each. Fall, Winter, Spring.
Prerequisite: MAT 101.
Four lecture hours per week.
Introduction to the coordinate systems of the earth and celestial sphere, time and its applications, the solar system.
Astronomical relations of light, atomic theory, spectroscopy, further topics on the solar system, comets and meteorites.
Astronomical measurements, star classifications, relative and apparent motion of the stars, galaxies, extra-solar matter and the stellar energy cycle.

315, 316, 317—**General Astronomy Laboratory**. One hour each. Fall, Winter, Spring.
Laboratory experiments in astronomical measurements.
To satisfy the laboratory science requirement, the Astronomy Laboratories should be taken with the corresponding lectures; otherwise the student may elect to enroll in the lectures only.

BIOLOGY (BIO—305)

101—**Principles of Biology.** Four hours. Quarterly.
Three lectures and one laboratory per week.
Basic functions of living organisms, including metabolism, reproduction, and control mechanisms, primarily at the cellular level.

102—**Diversity of Life.** Four hours. Quarterly.
Three lectures and one laboratory per week.
Prerequisite: BIO 101.
Survey of organisms of plant and animal kingdom. Evolutionary trends and relations to man are stressed.

202—**Vertebrate Biology.** Four hours. Quarterly.
Three lectures and one laboratory per week.
Prerequisite: BIO 101.
Anatomy and physiology of vertebrate systems (including human). Correlation of structure and function is emphasized.

220—**Human Anatomy and Physiology I.** Three hours. Fall, Summer.
Three hours lecture, two hours laboratory per week.
An integrated presentation of the structure and function of cells and tissues, including skeleton, muscle, and blood.

221—**Human Anatomy and Physiology II.** Three hours. Winter, Summer.
Three hours lecture, two hours laboratory per week.

Prerequisite: BIO 220.
An integrated presentation of the structure and function of the cardiovascular, urinary, respiratory, and digestive systems.

222—**Human Anatomy and Physiology III.** Three hours. Spring, Summer.
Three hours lecture, two hours laboratory per week.
Prerequisite: BIO 221.
An integrated presentation of the structure and function of the nervous, endocrine, and reproductive systems.

250—**Ornamental Horticulture.** Three hours. As needed.
Six hours lecture and laboratory per week.
Study of the factors necessary for the growth, propagation, recognition, and control of ornamental plants.

251—**Landscape Planning.** Three hours. As needed.
Six hours lecture and laboratory per week.
Soil conditioning, shrubbery placement, and care and maintenance of managed landscapes.

310—**Microtechnique.** Three hours. Fall.
One hour lecture and six hours laboratory per week.
Prerequisite: Consent of instructor.
Techniques for sectioning, mounting, and staining tissue and making whole mounts.

315—**Cellular Physiology.** Three hours. Fall, Spring, Summer.
Three hours lecture per week.
Prerequisites: 8 hours of biology, 9 hours of chemistry.
Cellular anatomy, chemistry, and physics.

320—**Comparative Anatomy I.** Three hours. Fall, Winter, Summer.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102, 202.
Phylogeny of the chordates, with special emphasis on vertebrate organ systems.

321—**Comparative Anatomy II.** Three hours. Winter, Spring, Summer.
Two hours lecture, four hours laboratory per week.
Prerequisite: BIO 320.
Phylogeny of the chordates, with laboratory work devoted to the study of mammals.

339—**Herpetology.** Three hours. Fall.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102.
Collection, preservation, identification, and distribution of amphibians and reptiles. Field trips when possible.

340—**Dendrology.** Three hours. As needed.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102.
The identification, taxonomic and ecological characteristics, and the distribution of trees.

401—**History of Biology.** Two hours. As needed.
Lectures and papers concerning the development of biological sciences.

410—**Electron Microscopy.** Three hours. As needed.
Three hours lecture, three hours laboratory per week.
Theory and use of the electron microscope and associated instrumentation, and darkroom techniques.

411—**Histology.** Three hours. As needed.
Three lecture periods, two hours laboratory per week.
Prerequisite: 12 hours of biology.
Microscopic anatomy of mammalian organ systems.

420—**Embryology I.** Three hours. Winter.
Two lecture periods, four hours laboratory per week.
Prerequisites: BIO 101, 202.
Embryology of vertebrates, emphasizing the frog. Maturation, fertilization, cleavage, origin and development of germ layers, histogenesis, and organogenesis.

421—**Embryology II.** Three hours. Spring.
Two lecture periods, four hours laboratory per week.
Prerequisite: BIO 420.
The embryological development of vertebrates, especially the chicken and the pig.

422—**Experimental Embryology.** Three hours. As needed.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 420 and 421.
Factors which activate or regulate developmental processes.

423—**Protozoology.** Three hours. As needed.
Two lecture periods, four hours laboratory per week.
Prerequisites: BIO 101, 102.
Introduction to parasitic and free-living protozoa.

424—**Human Protozoology.** Three hours. Winter, Summer.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102.
Life histories, epidemiology, and diagnostic characteristics of protozoans parasitic in man.

425—**Human Helminthology.** Three hours. Fall, Summer.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102.
Life histories, systematics, and host relationships of helminths of medical significance.

426—**Medical Entomology.** Three hours. Winter.
Two hours lecture, four hours laboratory per week.
Prerequisite: Consent of instructor.
Arthropod vectors and agents of disease.

430—**Mammalian Physiology I.** Three hours. Fall.
Three hours lecture, two hours laboratory per week.
Prerequisites: BIO 101, 202, 321.
Functioning of major mammalian systems emphasizing interrelationships and regulation.

431—**Mammalian Physiology II.** Three hours. Winter.
Three hours lecture, two hours laboratory per week.
Prerequisite: BIO 430.
Study of system function, coordination, and control.

432—**Comparative Animal Physiology I.** Three hours. Winter, Spring.
Two hours lecture, four hours laboratory per week.
Prerequisites: 12 hours of biology, 9 hours of chemistry.
Comparisons of systems and adaptations of vertebrates.

433—**Comparative Animal Physiology II.** Three hours. Spring, Summer.
Two hours lecture, four hours laboratory per week.
Prerequisite: BIO 432.
Comparison of vertebrate function in relation to the environment.

434—**Endocrinology.** Three hours. Winter.
Three hours lecture per week.
Prerequisite: BIO 101, 202 or consent of instructor.
Survey of the endocrine glands and their role in regulating the physiological processes of mammals.

436—**Invertebrate Zoology I.** Three hours. Fall.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102.
Survey of Invertebrate Phyla Protozoa to Annelida.

437—**Invertebrate Zoology II.** Three hours. Winter.
Two hours lecture, four hours laboratory per week.
Prerequisite: BIO 436.
Survey of Invertebrate Phyla through Hemichordata.

438—**Entomology.** Three hours. Fall.
Two hours lecture, four hours laboratory per week.
Structural adaptations, classification, life histories and habits, and the economic importance of insects.

440—**Ichthyology.** Three hours. Fall.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102, 202.
Collection, preservation, and identification of local fishes and fish-like vertebrates, with emphasis on fresh water. Field work when possible.

441—**Ornithology.** Three hours. Spring.
Two hours lecture, four hours laboratory and field work per week.
Prerequisites: BIO 320, 321 recommended.
Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

442—**Mammalogy.** Three hours. Winter.
Two hours lecture, four hours laboratory and field work per week.
Prerequisites: BIO 320, 321 recommended.
Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

443—**Principles of Nomenclature.** Two hours. As needed.
Two hours of lecture per week.
Prerequisite: Consent of instructor.
Discussions and problems in biological nomenclature.

448—**Introductory Mycology.** Three hours. Winter.
Two hours lecture, four hours laboratory per week.
Prerequisite: Consent of instructor.
Taxonomy, physiology, and biochemistry of fungi.

449—**Introductory Phycology.** Three hours. As needed.
Two hours lecture, four hours laboratory per week.
Prerequisite: Consent of instructor.
Taxonomy, physiology, and biochemistry of the algae.

450—**Plant Anatomy.** Three hours. As needed.
Two hours lecture, four hours laboratory per week.
Prerequisite: BIO 102.
A study of the anatomy of vascular plants.

451—**Morphology of Non-Vascular Plants.** Three hours. Winter.
Two hours lecture, four hours laboratory per week.
Prerequisite: BIO 101, 102.
Life cycles, evolution, and diagnostic characteristics of representative algae, fungi, lichens, liverworts, and mosses.

452—**Morphology of Vascular Plants.** Three hours. Spring.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102.
Life cycles, evolution, and diagnostic characteristics of representative ferns, fern allies, and seed plants.

453—**Aquatic and Marsh Plants.** Three hours. Fall, Summer.
Two hours lecture, four hours laboratory and field work per week.
Prerequisite: Advanced standing in biology or consent of instructor.
Collection, identification, and ecology of aquatic and marsh plants of fresh and brackish water. Field and laboratory investigations.

454—**Plant Physiology.** Three hours. As needed.
Two hours lecture, four hours laboratory per week.
Prerequisites: General and organic chemistry recommended.
The basic physiological processes of green plants.

455—**Economic Botany.** Three hours. As needed.
Four hours lecture per week and field trips.
Prerequisite: BIO 102 or consent of instructor.
Origin, distribution, and significance of plants most important to man.

456—**Plant Pathology.** Three hours. As needed.
Two hours lecture, four hours laboratory per week.
Prerequisite: BIO 102.
Taxonomy, physiology, and control of economically important plant pathogens.

457—**Taxonomy of Higher Plants.** Three hours. As needed.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 101, 102.
The classification of seed plants.

460—**Biogeography.** Two hours. Winter.
Two lectures per week.
Prerequisite: Consent of instructor.
A descriptive and analytical study of the distribution of plants and animals.

461—**Ecology I.** Three hours. Fall.
Two hours lecture, four hours laboratory or field work per week.
Prerequisites: BIO 101, 102 or consent of instructor.
Interrelations between organisms and their environment. Biogeochemical cycles and nutrient distribution. Limiting factors, productivity, and energy transfer in food chains. Ecological succession.

462—**Ecology II.** Three hours. Winter.
Two hours lecture, four hours laboratory or field work per week.
Prerequisite: BIO 461.
Ecological effects of temperatures, light, rainfall, salinity. Relationship of respiration and osmoregulation to environmental factors. Population growth.

465—**Freshwater Biology.** Three hours. Fall, Summer.
Two hours lecture, four hours laboratory per week.
Prerequisite: Consent of instructor.
Collection, identification, and ecology of aquatic organisms significant to the assessment of water quality.

466—**Limnology.** Three hours. Spring.
Lectures, laboratories, and field trips.
Prerequisites: BIO 461 and 462 strongly recommended, and consent of instructor.
The physical, chemical, and biological conditions in lakes, ponds, and streams.

467—**Introduction to Biological Oceanography.** Three hours. As needed.
Two hours lecture, four hours laboratory per week.
Prerequisites: BIO 461 and 462.
Ocean basin topography, distribution of bottom sediments, and physical and chemical characteristics of sea water.

470—**Ecology of Parasitic and Vector-Borne Diseases.** Two hours. As needed.
Two hours lecture per week.
Prerequisite: Consent of instructor.
Transmission and pathogenesis of parasitic and vector-borne diseases in their ecological frameworks.

475—**Plant Ecology.** Three hours. As needed.
Three hours lecture and field trips.
Prerequisite: Advanced standing in botany.
Relationship of plants to their environment.

492—**Biological Problems I, II, III, IV.** Two hours each for a maximum of six hours. As needed.
Given only by special arrangement.
Courses in special techniques, designed for majors with a need for certain basic techniques as tools for research.

493—**Field Biology I, II, III, IV.** Two hours each for a maximum of six hours.
Prerequisite: Consent of instructor.
Ecological and taxonomic studies of the fauna and flora of a variety of habitats. Offered between quarters as 4 to 6 day field trips.

496—**Undergraduate Seminar I, II, III.** One hour each. Fall, Winter, Spring.
The presentation and discussions of current biological topics.

The Following Courses are Taught at the Gulf Coast Research Laboratory in Ocean Springs by the Gulf Coast Research Laboratory Staff

481—**Marine Vertebrate Zoology.** Nine hours. As needed.
Prerequisites: 16 hours of biology, including comparative anatomy.
A formal lecture and laboratory survey of all marine chordates, including the lower subphyla, the fishes, reptiles, mammals, and shore birds.

483—**Marine Invertebrate Zoology I.** Nine hours. As needed.
Prerequisites: 16 hours of biology and junior standing. Applicants should have a strong background in zoology.
The lower marine invertebrates, especially those of Mississippi. Emphasis on morphology, distribution, and ecology of the phyla from Protozoa through Lophophorata. Lecture, laboratory, and field work are included.

484—**Marine Invertebrate Zoology II.** Nine hours. As needed.
Prerequisites: 16 hours of biology and junior standing. Applicants should have a strong background in zoology.
The higher marine invertebrates, especially those of Mississippi. Emphasis on morphology, distribution, and ecology of the protostome and deuterostome phyla from Mollusca through the Protochordates. Lecture, laboratory, and field work are included.

485—**Parasites of Marine Animals.** Nine hours. As needed.
Prerequisites: Introductory parasitology and junior standing and consent of instructor.
Parasites of marine animals, with emphasis on morphology, taxonomy, life histories, and host-parasite relationships. Lecture, laboratory, and field work are included.

488—**Introduction to Marine Zoology.** Six hours. As needed.
Prerequisites: 8 hours of biology including zoology.
A general introduction to the marine environment with emphasis on local fauna. Weekly boat trips will be made to collect specimens for laboratory study. Lectures by guest scientists and visits to local areas are included.

489—**Marine Botany.** Six hours. As needed.
Prerequisite: 10 hours of biology including botany.
A survey, based upon local examples, of the principal groups of marine algae, treating their structure, reproduction, distribution, and general biology; also a survey of the common maritime flowering plants, their identification and ecology.

BUSINESS EDUCATION (BED—105)

101—**Elementary Typewriting.** Three hours. Fall, Winter, Spring.
This course is for beginners in typewriting. Emphasis is given to acquiring keyboard control, developing correct typewriting techniques, and applying this acquired skill to letter writing and simple tabulated reports. No credit is given to a student whose high school transcript shows one unit in typewriting.

102—**Intermediate Typewriting.** Three hours. Quarterly.
Prerequisite: Satisfactory completion of BED 101 with grade of C or better or equivalent.
A review of keyboard and manipulative controls, with emphasis on letter styles, manuscripts, and tabulated reports. Students who have had more than one year of typewriting in high school should enroll in BED 310.

201—**Beginning Shorthand.** Three hours. Fall, Winter, Spring.
Three hours laboratory per week in addition to regular classes.
The theory and practice of Gregg shorthand, with emphasis on fluency of writing and reading; a limited amount of dictation and transcription. English 101 and 102 to be taken concurrently or to have been completed previously.
No credit is given to a student whose high school transcript shows one unit in shorthand.

202—**Intermediate Shorthand.** Three hours. Fall, Winter, Spring.
Prerequisite: Satisfactory completion of BED 201 with grade of C or better, or equivalent.
Three hours laboratory per week in addition to regular classes.
Completion of theory of Gregg shorthand, with some emphasis on dictation and transcription. English 101 and 102 to be taken concurrently or to have been completed.
Students who have had more than one year of shorthand in high school should enroll in BED 305.

300—**Business Writing.** Three hours. Fall, Winter, Spring.
Prerequisites: ENG 101 and 102, and ability to typewrite.
A study of principles and techniques used in writing effective business letters, memorandums, and other forms of business communication. Emphasis is placed on analyzing and solving business problems through written communication.

305—**Dictation and Transcription.** Three hours. Fall, Winter, Spring.
Prerequisite: Satisfactory completion of BED 202 with grade of C or better, or two years of high school shorthand.
Three hours laboratory per week in addition to regular classes.
A constant automatic review of shorthand theory, developing the student's shorthand speed, and emphasizing mailable transcripts.

310—**Advanced Typewriting.** Three hours. Fall, Winter, Spring.
Prerequisite: Satisfactory completion of BED 102 with grade of C or better, or equivalent.
Preparation of stencils, business forms, and legal documents; additional emphasis on tabulations, manuscripts, and letter forms, as well as on speed and accuracy.

340—**Adding and Calculator Machine Operation.** Two hours. Quarterly.
Sufficient practice provided to develop a thorough working knowledge of the operations involved in the use of the following machines; rotary and printing calculators, and full keyboard and ten-key adding machines. This course may not be taken for credit by a student who has had BED 450 or its equivalent.

352—**Filing Systems and Records Management.** Two hours. Quarterly.
An introduction to major filing systems in business, with a study of standard rules for alphabetizing, practice in the use of common systems of filing, and the application of filing principles to specific types of businesses.

354—**Problems in Typewriting.** Two hours. Quarterly.
Prerequisite: Satisfactory completion of BED 310 with grade of C or better.
A review of techniques in skill building, with development of speed and accuracy in typing a variety of office forms and emphasis on shortcuts in production typewriting.

450—**Office Appliances.** Three hours. Quarterly.
Prerequisite: Satisfactory completion of BED 101 with grade of C or better, or equivalent.
Sufficient practice to develop a thorough working knowledge of the operations involved on calculators, adding machines, posting machines, transcribers, electric typewriters, mimeoscope, and direct process mimeograph duplicators.
This course may not be taken for credit by a student who has had BED 340 or its equivalent.

452—**Philosophy of Vocational Business Education.** Three hours. Winter.
History of vocational business education; changing concepts resulting from federal legislation; changing nature of office systems and occupations; changing employment opportunities and consequent changes in procedures and techniques of vocational business education.

453—**Coordination of Office Occupations Programs.** Three hours. Summer.
Problems of the coordinator in the development of programs to meet the needs of employed youth and adults in the office occupations programs.

460—**Office Management.** Three hours. Fall, Winter, Spring.
A study of the principles of management as applied to office work, covering office organization, supervision, layout, supplies, machines, personnel, office forms and reports, and office services.

471—**Advanced Dictation and Transcription.** Three hours. Quarterly.
Prerequisite: Satisfactory completion of BED 305 with grade of C or better.
Three hours laboratory per week in addition to regular classes.
Emphasis on dictation and transcription using the vocabulary of different departments of businesses.

472—**Executive Secretarial Shorthand.** Three hours. Quarterly.

Prerequisite: Satisfactory completion of BED 371 with grade of C or better.

Three hours laboratory per week in addition to regular classes.

The finishing course in shorthand dictation and transcription, with primary emphasis on mailable copy.

480—**Research and Report Writing.** Three hours. Fall, Summer.

The study of concepts and methods of business research and style in business reports; a comprehensive coverage of problems encountered in researching business data and in reporting findings. Practical experiences will be provided in gathering, organizing, analyzing, and interpreting business data and in the presentation of findings in effective written report form.

485—**Office Practice and Procedures.** Three hours. Fall, Winter, Spring.

Prerequisite: Satisfactory completion of BED 102 with grade of C or better, or equivalent.

A course covering practical secretarial problems and the developing of an employable personality.

CHEMISTRY (CHE—320)

In the sequence of courses the immediate lower number is prerequisite for the following course. Example: Chemistry 101 is prerequisite to 102 and 102 to 103.

100—**Introductory Chemistry.** Three hours. Fall, Summer. Three lecture periods or equivalent per week.

Prerequisite: High school algebra or MAT 101 which may be taken concurrently.

An intensive introduction to chemical symbols, nomenclature, writing and balancing chemical equations, stoichiometric relationships and solutions. Intended for students who have not had high school chemistry or for those whose chemistry background is inadequate. The course will not satisfy core requirements in the College of Science nor in the Schools of Home Economics and Nursing.

101, 102, 103—**General Chemistry.** Three hours each. Fall, Winter, Summer (101); Winter, Spring, Summer (102); Spring, Summer (103).

Three lecture periods or equivalent and one laboratory session per week.

Prerequisites: High school chemistry or CHE 100, and high school algebra or MAT 101 which may be taken concurrently.

Building on the fundamentals covered in high school chemistry or CHE 100, this course sequence is designed to prepare the student for the higher numbered chemistry courses and serve as an overview of the field by placing an emphasis on the theories and applications of chemistry.

251, 252—**Elementary Organic Chemistry.** Three hours each. Fall, Winter, Summer (251); Winter, Spring, Summer (252).

Three lecture periods or equivalent and one laboratory session per week.

Prerequisite: CHE 102.

A short survey course in organic chemistry designed for students majoring in nursing and in some areas of home economics. This course should not be considered as a substitute for CHE 351, 352, 353.

300—**Chemical Safety.** Two hours. As needed.

One lecture period or equivalent and one laboratory session per week.

Prerequisite: CHE 321 or 353 or permission of the instructor.

A study of potential toxic, fire, explosion, and radiation hazards involved with various commonly used chemicals. Instruction in the safe

opening, handling, and storage of chemicals; emergency measures for accidents involving chemicals; safe disposal of chemicals with minimum environmental contamination.

311, 312—**Analytical Chemistry.** Four hours each. Fall, Summer (311); Winter, Summer (312).

Three lecture periods or equivalent and one laboratory session per week.

Prerequisite: CHE 103.

A course intended to give a knowledge of chemical equilibrium, the theories of quantitative analysis, and a study of the techniques necessary in making gravimetric and volumetric determinations. Separations and an introduction to instrumental analysis are included in CHE 312.

321—**Elementary Biochemistry.** Three hours. Spring, Summer.

Three lecture periods or equivalent and one laboratory session per week.

Prerequisites: CHE 103 and 252.

A short survey course in biochemistry designed for students majoring in nursing and in some areas of home economics. This course should not be considered as a substitute for CHE 421, 422.

322—**Clinical Biochemistry.** Three hours. As needed.

Three lecture periods or equivalent per week.

Prerequisite: CHE 321.

A course designed for medical technology students, with emphasis on the biochemical basis for clinical diagnosis.

351, 352, 353—**Organic Chemistry.** 351 and 352 three hours each. 353 four hours. Fall, Winter (351); Winter, Spring (352); Spring, Summer (353).

351 and 352 consist of three lecture periods or equivalent and one laboratory session per week.

353 consists of three lecture periods or equivalent and two laboratory sessions per week.

Prerequisite: CHE 103.

Theoretical and descriptive organic chemistry. A study of the chemistry of aliphatic and aromatic compounds including nomenclature, stereochemistry, reaction mechanisms, and the application of spectroscopy to organic chemistry.

361, 362—**Physical Chemistry for Pre-Medical and Biological Sciences Students.** Four hours each. As needed.

Three lecture periods or equivalent and two laboratory sessions or equivalent per week.

Prerequisites: MAT 103 and CHE 312.

Those topics of physical chemistry of immediate application to the problems of pre-medical and biological work form the basis of this course, the gas laws, kinetics, equilibrium and free energy, electrochemistry, pH, buffers, surface phenomena, colloids, and membrane phenomena.

Not to be taken by chemistry majors.

400—**Chemical Literature.** One hour. As needed.

One lecture period or equivalent per week.

Prerequisites: CHE 353 and 312.

The selection and use of the reference materials of chemistry; periodicals, journals, texts, patents, and other sources of information.

401—**Glass Blowing.** Two hours. As needed.

One lecture period or equivalent and one laboratory session per week.

A course covering simple operations of glass blowing to enable the student to make common apparatus.

402—**Chemistry of the Atmosphere.** Four hours. As needed.
Three lecture periods or equivalent and one laboratory session per week.
Prerequisite: CHE 312.
A course relating natural atmospheric chemical conditions to the chemical changes wrought in the atmosphere by man's environmental pollution. Topics such as the natural radiocarbon cycle, atmospheric photochemistry, cosmic ray influences, weather patterns, combustion product pollutants, health hazards, greenhouse effect, detection and measurement of atmospheric constituents, etc., will be examined.

403—**Industrial Chemistry.** Three hours. As needed.
Three lecture periods or equivalent per week.
Prerequisite: Permission of the instructor.
A study of the more important chemical processes used in industry. Plant site visits and frequent lectures by representatives from the chemical industry will constitute an important part of this course.

411—**Instrumental Analysis.** Four hours. Spring.
Three lecture periods or equivalent and two laboratory sessions per week.
Prerequisites: CHE 353 and 312.
A course in the theory and use of analytical techniques such as colorimetry, polarimetry, ultraviolet, visible and infrared spectrophotometry, gas chromatography, mass spectroscopy, nuclear magnetic resonance spectroscopy, etc.

421—**Introduction to Biochemistry.** Four hours. Fall, Summer.
Three lecture periods or equivalent and one laboratory session per week.
Prerequisite: CHE 353.
Subjects discussed include proteins, enzymes, nucleic acids, biological oxidations, and photosynthesis.

422—**Intermediary Metabolism.** Four hours. Winter, Summer.
Three lecture periods or equivalent and one laboratory session per week.
Prerequisite: CHE 421.
This course is designed to acquaint the student with the major metabolic cycles and pathways. Energy considerations and the interrelation of these pathways are included.

431—**Inorganic Chemistry.** Three hours. Fall.
Three lecture periods per week or equivalent.
Prerequisite: CHE 353.
Topics to be covered include nomenclature, electronic structure and bonding, stereochemistry, experimental methods, solution chemistry, and periodic properties as related to inorganic compounds.

432—**Descriptive Inorganic Chemistry.** Three hours. Winter.
Three lecture periods per week.
Prerequisite: CHE 431.
Chemical and physical properties as related to reactivity and synthesis will be discussed for the s elements, the p elements, transition metal complexes, and compounds of the lanthanides and actinides.

441—**Application of Nuclear Techniques.** Four hours. As needed.
Three lecture periods or equivalent and one laboratory session per week.
Prerequisite: Permission of instructor.
Nuclear techniques applied to the solution of biological, chemical, environmental, geological, physical, health, and medical problems. Training consists of radioisotope handling, radiation detection, radiation shielding, nuclear problem design, tracer techniques, and radiological health monitoring. Numerous radiation sources are used and studied.

451—**Qualitative Organic Analysis I.** Two hours. Winter.
One lecture period or equivalent and one laboratory session per week.
Prerequisite: CHE 353.
The systematic identification of pure organic chemicals.

452—**Qualitative Organic Analysis II.** Two hours. Spring.
One lecture period or equivalent and one laboratory session per week.
Prerequisite: CHE 451.
A study of the analysis of mixtures, with emphasis on chromatographic separation techniques and spectroscopic methods of analysis.

461, 462, 463—**Physical Chemistry.** Three hours each. Fall (461); Winter (462); Spring (463).
Three lecture periods or equivalent and one laboratory session per week.
Prerequisites: MAT 277 and CHE 353.
A mathematical treatment of the law governing chemical and physical changes. Topics treated are chemical thermodynamics, kinetics, surface and interface phenomena, nuclear chemistry, quantum chemistry, and spectroscopy. Emphasis is placed on problem solving in each of these areas.

496—**Special Projects I.** One to three hours. As needed.
Prerequisite: Permission of faculty.
A course in library and laboratory research on a problem chosen in consultation with the adviser.

CHILD DEVELOPMENT (CD—805)

050 or 359—**Preschool Teachers' Workshop I, II, III.** One hour for 359. Alternate summers.
For day-care operators, nursery school teachers, and educational leaders in preschool centers.

a. **Administration of Preschool Centers.**
Good principles of administration in group programs of young children.

b. **Curriculum Planning.**
Improving programs through better administrative procedures. Good group experiences for the pre-school child.

c. **Personality of the Preschool Child.**
Understanding children's behavior—or guiding personality development.

d. **Creative Activities**
Emphasis on art for young children.

e. **Literature and Language.**
Appropriate literature for the preschool child and use of bulletin boards, flannel graphs, puppets, and other resources.

350—**Child Development.** Three hours. Quarterly.
Three lecture hours and three hours of observation and participation in the child development laboratories.
A course designed to create interest in preschool children and to foster understanding of their development and behavior patterns. It is a study of the problems involved in guiding children toward happy, successful adulthood.

351—**Home and Preschool Relationships.** Three hours. Winter.
A study of the relationships of parents and children, helping them to understand and guide children effectively. Evaluate principles, pro-

cedures, and methods of working with parents in a group and in individual conferences so that these may contribute to constructive home-school relationships.

450—**Administration of Preschool Program.** Three hours. Spring.

A course in the organizational structure and management of various preschool programs.

451—**Infant Development.** Three hours. Spring.

Three lecture hours and three hours of laboratory for observation and participation in the Infant Development Center per week.

A course for students and parents concerned with the infant. Particular emphasis will be placed on acquiring understanding of infant development. Readings, class discussions, and field trips into home and group situations will apply theory to practice.

452—**Child Development Method and Materials.** Three hours. Winter.

Three lecture hours per week, plus three hours of observation and participation in the child development laboratories.

A study of the role of play in the development of young children with emphasis on selection, care, and use of equipment. Opportunities are provided to evaluate and select materials for use to develop teaching techniques and to plan play activities for children.

453—**Creative Activities for the Preschool Child.** Three hours. Fall.

Three lecture hours and three hours of observation and participation per week.

A study of creative activities (literature, art, music, nature study, etc.) for preschool children and practical experiences with these in the child development laboratories.

454—**Participation Experiences in the Infant Development Center.** Three hours. Hours arranged. Quarterly.

Prerequisite: CD 450.

Directed participation and responsibility for the guidance of the infants and toddlers in the Infant Development Center. Administration and parent education experiences arranged. Opportunity for study of community agencies concerned with the development and care of infants and toddlers.

455—**Supervised Participation.** Four hours. Quarterly.

Prerequisite: CD 450. Hours arranged.

Directed participation as an assistant in the Nursery School for one quarter.

459—**Symposium in Child Development.** Two hours. Summer, alternate years.

Prerequisite: Consent of instructor.

A study of theories and recent research used in preschool education; role of preschool education in the total education system. For home economics teachers, preschool teachers, and others interested in experience in the guidance of young children.

492—**Special Problems in Child Development.** One to four hours.

Prerequisites: CD 350 and consent of instructor.

CLOTHING AND TEXTILES (C&T—810)

131—**Fundamentals of Clothing Selection and Construction.** Three hours. Fall, Winter, Spring.

Two lectures and four laboratory periods per week.

Art principles related to wardrobe planning; understanding and applying fundamental principles of garment construction to a specific garment; application of art and construction principles to selection of ready-to-wear.

330—**Consumer Textiles.** Three hours. Fall, Spring.

A practical study of textile fabrics and finishes, trade practices, and legislation as they relate to consumer problems.

331—**Garment Selection and Wardrobe Planning.** Three hours. Spring.

Prerequisite: Junior status or special permission of instructor.

Selection of ready-to-wear garments on basis of need, appropriateness, aesthetic value, cost, and serviceability.

Designed as an elective for home economics, marketing, business, education, and other majors.

332—**Art Related to the Home and Dress.** Three hours. Fall, Winter, Spring.

Two lectures and one laboratory period per week.

Prerequisite: ART 111, or ARE 107.

A course designed to develop an understanding of applied principles of design in clothing, clothing accessories, exteriors and interiors of houses. Opportunity furnished for practical solution of personal and home design problems.

333—**Family Clothing.** Three hours. Fall, Winter, Spring.

One lecture and four laboratory periods per week.

Prerequisites: C&T 131, and 332 or equivalent.

Interpreting the problems of clothing the family in terms of the family life cycle; understanding factors affecting clothing decisions; socio-economic aspects of clothing and textiles as they affect the family members; understanding the basic techniques used to alter patterns and ready-to-wear for a variety of figure problems; and constructing a garment which stresses hand sewing skills.

334—**Textiles.** Three hours. Winter.

A study of the fundamental aspects of textiles: physical and chemical properties of fibers, yarn structure, weaves and fabric design, and finishes as they relate to consumer selection, use, care, and over-all satisfaction; markets and legislative consumer aids.

335—**Clothes and Cultures.** Three hours. Winter.

Prerequisite: Junior or senior status.

Cultural and economic factors concurrent to the adoption and abandonment of styles of dress in western civilization from ancient times to the present.

430—**Textile Product Evaluation.** Three hours. Spring.

One lecture and four laboratory periods per week.

Prerequisite: C&T 330 or C&T 334 or approval of instructor.

Testing apparel and household textile fabrics by standard ASTM and AATCC methods; interpreting and evaluating test results; application of data to better consumer understanding and practices.

431—**Tailoring.** Three hours. Winter.

One lecture and four laboratory periods per week.

Prerequisites: C&T 131 or C&T 332 or equivalent.

Principles and techniques of tailoring applied to a suit or coat; attention given to suitability of pattern and fabric to individual, pattern and fabric to each other, cost, garment fitting, creative design details, and appropriate accessories; application of learnings to selection and evaluation of ready-made tailored garments.

432—**Textile Economics.** Three hours. Fall.

Prerequisite: C&T 330 or C&T 334 or equivalent.

A study of problems which affect the consumer in the production, distribution, and consumption of textiles and clothing. Survey of recent developments in the textile and clothing field.

434—**History of Decorative Textiles.** Three hours. Summer.

Design motifs and fabric construction techniques in textiles from the beginnings of civilization to the present.

435—**Fashion Fundamentals.** Three hours. Spring.
Understanding fashion through a study of the interrelationships of the raw materials, producers, retailers, and consumers of fashion.

437—**Apparel Design.** Three hours. Winter.
Two lectures and two laboratory periods per week.
Prerequisite: C&T 330, C&T 332, and C&T 333 or C&T 334.
The workings of the fashion world, including haut couture and mass production designers and how they work; leading markets; social, economic and political forces affecting fashion. Development of original designs for apparel items.

439—**I, II—Retail Management Internship.** Two hours each. Quarterly.
Prerequisites: MKT 320, 333, 342.
A total of four credit hours is to be earned in a training-work program in the operation and management of retail activities. This work is to be done in a cooperating department store. The student is under the supervision of his adviser with whom he makes plans and arrangements and for whom he prepares assigned progress and evaluation reports.

492—**Special Problems.** Three hours. Quarterly.
Prerequisites appropriate to the problem undertaken.
A directed individual study planned with and approved by the chairman of the department.

COMMUNICATION (COM—208)

200—**Survey of Mass Communication.** Three hours. Quarterly.

407—**Theories of Mass Communication.** Three hours. Winter, alternate years.
Prerequisites: Consent of instructor or COM 200.

410—**Business and Industrial Communication.** Three hours. Fall.
Prerequisite: Consent of instructor.

417—**Practicum in Major Field.** Three hours. Quarterly. May be repeated twice with change of content.

431—**Advertising Management and Sales.** Three hours. Fall, alternate years.
Prerequisites: RTF 371, RTF 375, and consent of instructor.

492—**Special Problems.** One to three hours.

COMPUTER SCIENCE (CSS—330)

100—**Introduction to Computing.** Three hours. Quarterly.
Prerequisite: Permission of instructor.
Computer concepts, forms of input and output, system design and analysis, capabilities and limitations of computers, recording data, and programming languages.
This course may not apply to any major within this department.

211—**Statistical Methods I.** Three hours. Quarterly.
Prerequisite: MAT 100 or permission of instructor.
Sampling and sampling distributions: normal distributions, binomial distribution, measures of central tendency, measures of dispersion.

212—**Statistical Methods II.** Three hours. Quarterly.
Prerequisite: CSS 200.
Hypothesis testing, correlation, regression analysis, analysis of variance and covariance.

240—**Introduction to Programming Laboratory.** Three hours. Quarterly.
Prerequisite: MAT 100 or equivalent.
The use of problem oriented languages and peripheral equipment.

Programming of problems using the USM H.E.L.P. language and the FORTRAN language.

320—**Introduction to Linear Programming Techniques.** Three hours. Fall, Spring, Summer.
Prerequisite: MAT 171.
Vectors and Euclidean spaces, linear transformations, convex sets and hyperplanes, theory of simplex method, the transportation problem.

323-324—**Applied Techniques in Statistics and Engineering.** Three hours each. Yearly in sequence.
Prerequisite: MAT 378 or equivalent.
Laplace transforms and their applications, least squares, Fourier series and integrals, convolutions, Gamma functions, Beta functions, Bessell functions, complex inversion integral and conformal mapping.

340—**Advanced Fortran Programming.** Three hours. Quarterly.
Prerequisite: CSS 240 or equivalent.
Advanced format concepts, Boolean logic, subroutines, tape, disk and drum input-output, Fortran generated languages.

341—**Digital Computer Programming.** Three hours. Fall, Spring.
Prerequisite: CSS 240.
Assembler language coding: registers, instruction formats, decimal and floating point arithmetic, I/O coding, system capabilities, program states.

342—**Introduction to COBOL Programming.** Three hours. Winter, Spring.
Prerequisite: CSS 240 or CSS 341.
Flow charting problems and techniques of programming using the COBOL language.

415—**Methods of Mathematical Statistics I.** Three hours. Winter, Spring.
Prerequisite: MAT 276 or permission of instructor.
Continuous and discrete distributions, moments of distributions, point, and interval estimation, hypothesis testing, power of tests, analysis of variance (one-way classification, orthogonal contrasts), two-way classification analysis of variance, fixed, random and mixed models.

416—**Methods of Mathematical Statistics II.** Three hours. Spring.
Prerequisite: CSS 415.
Orthogonal polynomial contrasts, multi-way classification, simple linear regression, multiple linear regression, polynomial regression, designs (simple randomized blocks, nested factorials), intra-class correlation, quality control.

417—**Experimental Design.** Three hours. Summer.
Prerequisite: CSS 416.
Factorials, randomized blocks, Latin squares and split-plot, fractional factorials and confounding response surface models.

418—**Sampling Methods.** Three hours. As needed.
Prerequisite: CSS 416.
The planning, execution, and evaluation of sample surveys. Simple random sampling, stratified random sampling, cluster sampling.

420—**Numerical Analysis I.** Three hours. Fall.
Prerequisites: MAT 379 and CSS 340.
Finite-difference interpolation, numerical differentiation and integration, methods of solving linear and non-linear equations and systems of such equations, matrix computations.

421—**Numerical Analysis II.** Three hours. Winter.
Prerequisite: CSS 420.

Numerical solution of ordinary differential equations, polynomial curve fitting, smoothing, power series economization, Padé approximation.

435—**Theoretical Statistics I.** Three hours. Fall.
Prerequisite: MAT 378.
Basic concepts in probability, moments of distributions, characteristic functions, multivariate distributions, conditional distributions.

436—**Theoretical Statistics II.** Three hours. Winter.
Prerequisite: CSS 435.
Properties of estimators (unbiasedness, minimum variance, consistent, sufficient, etc.) reliability theory, samples and sampling distributions.

440—**Educational Statistics.** Three hours. Winter, Spring.
Prerequisite: Permission of instructor.
Elementary probability, conditional probability, binomial experiments, curve fitting, least squares techniques, correlation and regression models.

450-451-452—**Systems Programming.** Four hours each. Yearly.
Prerequisite: Permission of instructor.
Students will be required to research systems problems, design solutions, and implement these solutions. Research will involve current software or hardware problems and will vary each quarter.

460—**Computer Software I.** Three hours. Winter, Summer.
Prerequisite: CSS 340 or CSS 341.
A study of single and multipass compilers, spectre language, macros, relocatible subroutines, compiler construction.

461—**Computer Software II.** Three hours. Fall, Spring.
Prerequisite: CSS 460.
An in-depth study of assemblers and compilers using the USM/360 Spectre simulation package.

462—**Computer Software III.** Three hours. Fall, Spring.
Prerequisite: CSS 341.
An in-depth study of operating systems and monitors with special emphasis on the MFT-II version of OS/360; job management, task management, data management, and other system related functions. Special attention is given to monitor programs.

470—**Boolean Algebra and Switching Circuits.** Three hours. Fall, Spring.
Prerequisite: Permission of instructor.
Symbolic logic and Boolean algebra for description and analysis of switching circuits, basic sequential circuits, digital systems design principles.

471—**Computer Design.** Three hours. Winter.
Prerequisite: CSS 470.
A study of control units, arithmetic units, memories and microprogramming concepts.

476—**Introduction to Analog Computers.** Three hours. Winter.
Prerequisite: MAT 405 or CSS 323.
Design and testing of basic analog circuits.

477—**Advanced Analog and Hybrid Systems.** Three hours. As needed.
Prerequisite: CSS 476.
Use of the analog computer to solve engineering problems, process control.

480—**Data Processing and File Management.** Four hours. Spring.
Prerequisites: CSS 341 and 342.
Basic computer skills using the RPG language. Organization and maintenance of sequential, direct access and index sequential files.

Sort-merge techniques. Students in small teams will study actual business applications, design and create files using COBOL, RPG and assembler languages.

COUNSELING AND GUIDANCE (CGE—140)

101—**Foundations of Personal Development.** One hour. Quarterly. Open to freshmen and transfers only.

A course designed to introduce students to principles of human development. Special attention will be given to the study of the healthy personality as a means of helping students to (a) develop a clearer sense of personal identity; (b) understand factors which promote or hinder their own personal development and (c) become acquainted with a variety of helping resources which are potentially available to them in their search for a more effective style of living.

310—**Introduction to Social and Rehabilitation Services.** Three hours. Fall, Spring.

An orientation to social and rehabilitation services (habilitation and rehabilitation) via a review of relevant history, legal mandates, philosophy, objectives, and applied services. The various human service agencies/facilities and professionals implementing social policy and serving as agents of social change are examined and given intensive overview.

311—**Assessment, Evaluation, and Prognosis in the Social and Rehabilitation Services.** Three hours. Fall, Spring.

A survey of assessment and evaluation techniques in the social and rehabilitation services. Particular emphasis is given to the interrelatedness of medical, social, interpersonal, academic and vocational behavior information in view of an individual prognosis for habilitation or rehabilitation. The course emphasizes the development of written documentation, referral, and staff conference skills.

312—**Methods and Techniques of Social and Rehabilitation Services.** Three hours. Winter, Summer.

This course is designed to assess and improve interpersonal communications and human relations skills. An investigation of the philosophical and theoretical principles undergirding the practical applications of various helping techniques is a major emphasis of the course.

360—**Social and Rehabilitation Services Laboratory I.** Three hours. Fall, Spring.

This course is designed to be taken concurrently with CGE 310. Via selected readings, discussion groups, and directed field visits, students observe professional services in various community and/or rehabilitation agencies/facilities and interview helping practitioners and clients receiving services in at least two agency/facility settings.

361—**Social and Rehabilitation Services Laboratory II.** Three hours. Winter, Spring.

This course is designed to be taken concurrently with or following CGE 312. The student develops skill in applications of interview and group techniques through personal interaction experiences.

413—**Vocational Development and the World of Work.** Three hours. Fall.

This course introduces the student to the study of vocational development and occupations. Emphasis is given to (a) reasons for studying occupations, (b) what people need to know about occupations for decision-making purposes, (c) survey and analysis of current and future labor-market conditions, and (d) how occupations are analyzed, classified, and measured in order to establish their similarities and differences.

422—**Curriculum Development for Occupation Orientation.** Three hours. Summer, and as needed.

A course designed to introduce vocational teachers and counselors to principles of curriculum adaptation for school-based programs of occupational orientation. Emphasis is given to the acquisition, development, and organization of materials and resources for an experiential learning approach.

423—**Methods and Techniques of Group Guidance.** Three hours. Summer, and as needed.

A course designed as an introduction to the fundamentals of developmental group guidance. Special attention is given to procedures and activities common to occupational orientation, homeroom and other types of group work in class-room and institutional settings.

430—**Principles and Processes of Case Management.** Three hours. Winter.

This course focuses on the coordination of the many specific functional tasks associated with habilitation/rehabilitation services. Activities are grouped into task units which in turn form sequential links in the case management process. The basic feature of the course is a detailed presentation of those activities necessary in achieving the completion of specific functional tasks.

431—**Medical and Personal Adjustment Aspects of Helping Processes.** Three hours. Spring.

This course is designed to equip the student to communicate effectively with other specialists in medical, para-medical, and behavioral science fields and to acquaint him with the chronically disabling conditions both from the view point of treatment processes and individual adjustment. A course in human anatomy is a prerequisite to this course.

432—**Community Resources for Guidance.** Three hours. Spring.

A course designed to study the nature and development of agency resources within the community, along with their purposes and functions, such as vocational rehabilitation, employment service, scouts, family counseling services, mental health centers, public welfare, and health agencies. Emphasis is on locating, understanding, and utilizing the services of the agencies in the exchange of information and for referral of counselees.

462-463—**Social and Rehabilitation Services Field Practicum I, II.** Three to six hours. Quarterly.

This course is designed to be taken concurrently with or following CGE 430 as an individualized practicum. Students are provided an opportunity to experience specific duties and tasks within an agency or facility under direct supervision of a member of the University faculty and selected member(s) of an agency/facility. Emphasis is placed on the student's demonstrating his ability to integrate evaluative concepts and make practical application of theory and principles of case management.

CRIMINAL JUSTICE (CJ—281)

200—**Introduction to Law Enforcement.** Three hours. Quarterly.

An introduction to the fundamentals of police operations from the police image to apprehension of the criminal.

201—**Police Administration.** Three hours. Fall.

An introduction to the fundamentals of police administration with emphasis on basic organization and management of police functions.

301—**Police Operations.** Three hours. Winter.

A study of the functions and relationships of line elements of the law enforcement agency with emphasis on patrol.

303—**Criminal Law I.** Three hours. Quarterly.
A survey of substantive criminal law as it affects the law enforcement officer.

304—**Criminal Investigation.** Three hours. Fall, Spring.
An introduction to the fundamentals of the criminal investigation process with emphasis on corpus delecti, elements of proof, and collection of evidence.

305—**Traffic Law.** Three hours. Fall, Spring.
An introduction to traffic law as it affects criminal justice agencies with emphasis on development of the law, and application.

308—**Crime Prevention.** Three hours. Spring.
A study of methods of protecting life and property in police service and in industry.

401—**Criminal Justice Practicum.** Three hours. Summer.
A multifaceted program offering an opportunity for practical experience and research in a variety of criminal justice fields. Only open to criminal justice majors.

402—**Criminal Justice Practicum.** Three hours. Summer.
Prerequisite: CJ 401.
Emphasis is placed on solutions and in-depth studies of contemporary criminal justice problems encountered in CJ 401. Only open to criminal justice majors.

403—**Criminal Law II.** Three hours. Winter, Spring.
A survey of procedural criminal law. Due process, search and seizure, self incrimination, and rules of evidence are covered.

407—**Juvenile Justice System.** Three hours. Winter, Summer.
A study of police in delinquency prevention, investigation of juvenile crime, disposition of offenders, and juvenile courts.

408—**Seminar in Criminal Justice.** Three hours. Fall, Spring.
A seminar-type course dealing with all aspects of the criminal justice system, tying together the knowledge of criminal justice previously learned.

492—**Special Problems.** One to three hours.

ECONOMICS (ECO—610)

100—**Introduction to Economics.** Three hours. Quarterly.
Not to be counted toward major, minor, or meeting the core requirements of the School of Business Administration. Credit for graduation will not be given for both Economics 100 and 255 or 256.

255—**Principles of Economics I.** Three hours. Quarterly.
An examination of the basic institutions of American capitalism and the determination of the level of national income, employment, prices, and growth within the system.

256—**Principles of Economics II.** Three hours. Quarterly.
Economics of the firm with emphasis on product and resource market operations under varying degrees of competition and the application of the tools of economic analysis to current economic problems.

301—**Elementary Statistics I.** Three hours. Quarterly.
Prerequisite: MAT 101 or 112.
A survey of the basic concepts of statistics; data sources, collection, and presentation; measures of central tendency and dispersion; normal curve analysis; sampling and decision theory; hypothesis testing, and probability.

302—**Elementary Statistics II.** Three hours. Quarterly.
Prerequisite: ECO 301.

A study of index numbers; time series analysis; simple and multiple regression and correlation; forecasting; chi square; poisson and f distributions, and other advanced measures used in statistical analysis.

310—**Economic History of the United States.** Three hours. Winter, Summer.

A study of the economic forces that have influenced the development of the United States from its European origins to the present.

330—**Money and Banking.** Three hours. Quarterly.

Prerequisites: ECO 255 and 256.

An intermediate study of the nature and functions of money, the banking system of the United States, and monetary theory.

335—**Economics of the Firm.** Three hours. Spring.

Prerequisites: ECO 255 and 256.

Not for economic majors. Credit for graduation will not be given for both ECO 335 and ECO 340 or equivalents from some other institution.

An intermediate study of the application of economic theory to managerial decision-making.

340—**Price Theory.** Three hours. Fall, Spring.

Prerequisite: ECO 256.

An intermediate study of the determination of prices in factor and final product markets.

345—**Income Theory.** Three hours. Winter.

Prerequisite: ECO 255.

An intermediate study of the determination of income and employment.

375—**Quantitative Methods for Business.** Three hours. Fall, Spring.

Prerequisite: MAT 101.

An introduction to those quantitative methods which have been found most useful in economics and business enterprise.

401—**Public Finance.** Three hours. Winter, Summer.

Prerequisites: ECO 255 and 256.

A study of federal and state spending and fund raising policies within the context of the social goals to be accomplished by such policies.

413—**The Economy of Latin America.** Three hours. Winter, alternate years.

Prerequisites: ECO 255 and 256 or permission of instructor.

A study of the evolution of the institutional arrangements relating to the Latin American economies and their impact on resource use and allocation, economic growth, and related economic problems.

422—**Economics of Public Utilities.** Three hours. Fall.

Prerequisite: ECO 256.

Usually offered in alternate years.

A study of the development, institutional bases, structure, and regulation of public utilities.

424—**Economics of Urban Areas.** Three hours. Spring.

Prerequisites: ECO 255 and 256.

Usually offered in alternate years.

A study of the economic problems of urban areas, with special reference to the problem of urban land utilization and the spending and fund-raising problems of municipal government.

435—**International Trade Theory.** Three hours. Fall.

Prerequisites: ECO 255 and 256.

A study of the historical development of international trade theory, the importance of international trade, the mechanism of international payments, and modern theories dealing with the subject.

440—**Economic Development.** Three hours, alternate years.
Prerequisites: ECO 255 and 256.
A study of the nature, causes, and effects of regional and national economic development.

445—**Business Forecasting.** Three hours. Winter.
Prerequisite: ECO 302.
An examination of the causes and methods of prevention of economic fluctuations with emphasis on the techniques of forecasting economic variables.

465—**Economics of Labor.** Three hours. Quarterly.
A study of the labor market with special reference to the institutional setting, wage determination, and employment problems in an industrial economy.

470—**Comparative Economic Systems.** Three hours. Fall, Spring.
A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, communism, and capitalism.

480—**Environmental Economics.** Three hours. Winter.
Prerequisites: ECO 255, 256 or consent of instructor.
A survey of economic concepts relevant to decision making with reference to the management of natural resources heretofore considered to be "free" in nature.

492—**Contemporary Economic Problems I.** Three hours.
Prerequisites: ECO 255 and 256.
Usually offered in alternate years.
A study of the economic problems of monopoly, international trade, and income distribution.

494—**Contemporary Economic Problems II.** Three hours.
Prerequisites: ECO 255 and 256.
Usually offered in alternate years.
A study of the economic problems of the business cycle, inflation, growth, and the size and influence of the public economy.

EDUCATIONAL FOUNDATIONS (CIF—125)

300—**Public Education in the United States.** Three hours. Quarterly.
An orientation to public education in the United States including the background, purposes, organization, trends, and issues and the evolution of teaching as a profession.
To be taken the last quarter of the sophomore year.
Required as a phase of screening for admission to a teacher-education program in the College of Education and Psychology.

334—**Improvement of Study.** Two hours. Fall, Winter, Spring.
Prerequisite: Permission of the instructor.
An analysis of effective study techniques for use by secondary school teachers. Useful for college students who wish to improve their own reading and study habits.

336—**Principles of Guidance.** Three hours. Quarterly.
An introductory course dealing with the fundamental philosophy, methods, and organization of guidance services in the public schools.

416—**Audiovisual Education.** Three hours. Quarterly.
A general course for teachers with emphasis upon sound and visual classroom teaching aids. Careful attention given to the sources, selection, preparation, and uses of audiovisual materials.

421—**Seminar for Teaching Interns.** Nine hours. As needed.
Open to intern-teachers only.

430—**Teaching in the Space Age.** Three hours. Fall, Winter, Spring.
A study of the influence of aerospace developments on society in our times. Designed to provide teachers with the needed background for meaningful classroom experience and activities.

469—**Tests and Measurements.** Three hours. Quarterly.
Prerequisites: EPY 370, 372, or 374, and senior standing.
Consideration of good evaluative practices in elementary and high schools, the preparation and use of informal objective and essay-type tests, a study of typical standard tests, and an introduction to elementary statistical procedures useful in interpretation of results.

490—**Classroom Use of Instructional Television.** Three hours. Summer.
Workshop in the utilization of Mississippi's state program of instructional television for elementary teachers, media directors, curriculum supervisors, and administrators. Provides a comprehensive experience in the planning, organizing, presentation and use of instructional television.

EDUCATIONAL PSYCHOLOGY (EPY—180)

370—**Human Growth and Development, Part I: Child.** Three hours. Quarterly.
Prerequisite: PSY 110.
Study of the child through the elementary school years, emphasizing principles and problems of development. Case studies of individual children.

371—**Psychology of Preadolescence and Early Adolescence.** Three hours. Quarterly.
The study of human growth and development during later elementary and junior high school years.

372—**Human Growth and Development, Part II: Adolescent.** Three hours. Quarterly.
Prerequisite: PSY 110.
A course dealing with development of the individual through the adolescent years. Case studies of individual adolescents.

374—**Educational Psychology.** Three hours. Quarterly.
Prerequisite: PSY 110.
Application of psychological methods, facts, and principles to education.

385—**Applied Behavior Analysis.** One to three hours per quarter. Quarterly. May be taken up to six hours.
Prerequisites: PSY 110, EPY 374, one of EPY 370, EPY 371, or EPY 372 and permission of the instructor.
Application of the principles of applied behavior analysis to problems involving human behavior change, particularly in an educational context. Participation in an appropriate setting is required. Students should contact the Department of Psychology during the quarter prior to registration regarding the content and settings available for the forthcoming quarter.

470—**Developmental and Educational Psychology for Teaching Interns.** Nine hours. As needed.
A study of human growth and development, the psychology of teaching and learning, and principles and practices in measurement and evaluation. This course is to be completed over three quarters by teaching interns. Three hours credit will be awarded each quarter. Available to internship students only, arranged through the Office of Student Teaching.

476—**Learning in Adult Education.** Three hours. As needed.
A study of learning in adulthood, and related to a range of educational programs.

482—**Contemporary Problems in Educational Psychology.** Three hours. As needed. May be taken up to nine hours with change of content.
Prerequisites: PSY 110, and permission of the instructor.
A review of theory and research on selected, contemporary topics in educational psychology. Students should contact the Department of Psychology during the quarter prior to registration regarding the content for the forthcoming quarter.

ELEMENTARY EDUCATION (CIE—115)

301—**Methods and Materials in Arithmetic.** Three hours. Quarterly.
A course in the methods of teaching arithmetic in the elementary grades. Special attention is given to developing an understanding of numbers, teaching basic combinations, and the use of arithmetic textbooks and workbooks.

305—**Social Studies in the Elementary Grades.** Three hours. Quarterly.
Social studies in the broad fields and core curriculum with emphasis on objectives and content. Areas, sequence of units, and the evaluation of social studies units for elementary grades are stressed.

306—**Language Arts in the Elementary School.** Three hours. Quarterly.
An undergraduate course which makes an intensive study of the skills of handwriting, creative writing, listening, speaking, grammar and drama in grades one through eight. Emphasis is placed on methods, materials, and classroom techniques for developing these skills.

309—**Developing Skills in Reading.** Three hours. Quarterly.
An undergraduate course which makes an intensive study of the skills required in reading; methods and materials required to teach these skills; and classroom techniques for evaluating proficiency in the development of reading skills.

311—**Kindergarten and Primary Reading Instruction.** Three hours.
Prerequisite: CIE 309.
Emphasis will be placed on child development and reading as a developmental process in studying skills of reading for grades K-3.
Through the use of practicum experiences two children (Grades K-3) will be diagnosed to show their strengths and needs in reading.
These data will be the basis for writing instructional objectives; selection of multi-media; determining approaches to reading; and recommending grouping procedures for meeting the individualized reading needs of children in the kindergarten and primary grades.

312—**Middle School Reading Instruction.** Three hours. Quarterly.
Prerequisite: CIE 309.
Emphasis will be given to the integration of reading with the content subjects as well as the interest and needs of children in transition from childhood to adolescence. The nature of various organizational patterns, materials, and methods of individualizing reading instruction in the middle school (4-8) will be considered. Practical school experiences will be part of the course.

317—**Methods and Materials in Children's Literature.** Three hours. Quarterly.
Reading in mythology, legend, history, biography, fiction, and poetry. Narrative and dramatic presentation. Comparative editions, graded bibliographies, and standard practice in building collections of books for children.

318—**Literature for the Middle School.** Three hours. As needed.

A survey of literature appropriate for use in grades four through eight or the middle school. Effective use of literature in the school program is stressed.

300—**Readiness Programs for Young Children.** Three hours. Winter, Summer.

A course of study dealing with varied phases of comprehensive readiness programs for young children. Emphasis is placed upon the experience method, and social factors are treated in detail.

343—**Methods and Materials in Elementary Education.** Three hours. Quarterly.

An examination of materials and their relatedness to methods. Stresses approved techniques in light of research in these fields: Language arts, social studies, number relationships, handwriting, spelling, science, health, and creative experiences. Only offered concurrently with student teaching.

403—**Kindergarten-Primary Education.** Three hours. Quarterly.

A study of the contributions which group living makes to the mental and physical health of young children, with emphasis upon child development research in curricular experiences and records. Designed to help teachers and parents understand the readiness program. Laboratory is included.

412—**Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** Three hours. Quarterly.

Prerequisites: CIE 309 and 311 or 312.

This course deals with corrective and remedial reading in the elementary school; nature and causes of reading disability; procedure in making a classroom diagnosis, including interpretation of formal and informal test results; remedial treatment of reading difficulties including techniques and formal and informal materials; and opportunity for testing and remedial teaching in the public schools with an individual child in a practicum situation.

414—**Creative Dramatics for Children.** Three hours. As needed.

Prerequisite: Consent of the instructor.

Fundamentals of organizing and developing creative dramatics program with elementary school age children.

415—**Fundamentals of Children's Theatre.** Three hours. As needed.

Prerequisite: Consent of the instructor.

Laboratory and instruction in the methods and techniques of producing plays for elementary school age children.

425—**Methods and Materials in Early Childhood Education.** Three hours. Quarterly.

A sequential investigation into recommended methods of teaching and suitable instructional materials for young children. Special emphasis is placed upon early primary programs including kindergarten day care centers, child welfare, and other institutional care for young children. (To be offered concurrently with student teaching.)

427—**Evaluation in Early Childhood Education.** Three hours. As needed.

A course of study concerned with evaluative techniques and principles relative to the physical, intellectual, emotional, and social development of young children. A case study is required including cumulative records, interviews, and comprehensive evaluation.

480—**Student Teaching in Lower Elementary.** Nine hours. Fall, Winter, Spring.

Prerequisites: CIF 300, CIE 301, 305, 306, 309, 311, EPY 370, 374.

Students arrange for this course with the Director of Student Teaching two quarters in advance. (CIE 425—Methods and Materials in Early Childhood Education is concurrent with this course.)

482—**Student Teaching in Upper Elementary.** Nine hours. Fall, Winter, Spring.

Prerequisites: CIF 300, CIE 301, 305, 306, 309, 312, EPY 370, 374.

Students arrange for this course with the Director of Student Teaching two quarters in advance.

484—**Student Teaching in Lower Elementary.** (Early Childhood Education) Nine hours. As needed.

Students arrange for this course with the Director of Student Teaching two quarters in advance.

489—**Seminar in Elementary Student Teaching.** Six hours. Summer.

In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment. The applicant must be teaching in Mississippi.

490—**Workshop in Aviation Education.** Three hours. Summer.

May be taken twice for a total of six hours.

491—**The Reading Conference.** One hour. Summer.

An intensive program for three days during the summer quarter consisting of lectures, group discussion, and demonstration lessons. May be taken three times.

492—**Internship in Kindergarten and Primary Education.** Nine hours. As needed.

Credit is awarded at the successful completion of three quarters of experience in an approved internship. **EPY 470** and **CIF 421** must be completed during the internship. Enrollment by permission of the Director of Interns only.

493—**Internship in the Middle School.** Nine hours. As needed.

Credit is awarded at the successful completion of three quarters of experience in an approved internship. **EPY 470** and **CIF 421** must be completed during the internship. Enrollment by permission of the Director of Interns only.

496—**Projects in Elementary Education I, II, III.** Three hours. As needed.

Designed for school systems planning local projects of curriculum revision and course of study construction. Available for credit more than once if projects require more than one quarter to complete.

ENGLISH (ENG—224)

Introductory

Freshmen needing an intensive course in reading comprehension and writing proficiency will be placed in English 100 (**Fundamentals**). This course is offered on only a pass-fail basis, but the student may receive an **E** rather than an **F** for his first two failures in the course On the third attempt, the student must either pass or receive an **F.** English 100 may count as an elective course, but it may not satisfy any part of the core requirement in English. Freshmen not placed in English 100 will proceed directly to English 101 and 102, which constitute the University core in English. Both courses include writing, and they must be in sequence and prior to any other English courses.

100—**Fundamentals.** Three hours. (May not count toward a departmental major or minor.) Quarterly.

101—**Language.** Three hours. Quarterly.
Studies in the nature of language and practice in its use.

102—**Literature.** Three hours. Quarterly.
Studies in the nature and function of imaginative literature.

200—**Drama.** Three hours. Quarterly.

201—**Fiction.** Three hours. Quarterly.

202—**Poetry.** Three hours. Quarterly.

321—**Introductory Short Fiction Writing.** Three hours. Fall, Spring, Summer 1975.

322—**Introductory Poetry Writing.** Three hours. Winter, Summer 1974.

331—**English Proficiency.** Three hours. Quarterly.
The student may take this course for English proficiency only after he has failed the English Proficiency Test (EPT). The course is offered on a pass-fail basis only, but the student may receive an **E** rather than an **F** for his first two failures in the course. On the third attempt, the student must either pass or receive an **F**. The three hours of credit earned in the course will not count toward the 128 hours required for graduation.

332—**Advanced Expository Prose.** Three hours. Quarterly.

340—**Analysis of Literature.** Three hours. Quarterly.

350—**British Literature I.** Three hours. Fall, Spring.

351—**British Literature II.** Three hours. Winter, Summer.

370—**American Literature I.** Three hours. Quarterly.

371—**American Literature II.** Three hours. Quarterly.

372—**Afro-American Literature.** Three hours. Winter.

400—**Introduction to Linguistics.** Three hours. Fall.

401—**Advanced Grammar.** Three hours. Quarterly.

402—**English Syntax.** Three hours. Winter, alternate Summers.
An examination of analytical methods, including generative transformations.

406—**History of the English Language.** Three hours. Winter, alternate summers.

409—**Studies in Linguistics.** Three hours. Spring.

410—**Readings in World Literature I.** Three hours. Fall.

411—**Readings in World Literature II.** Three hours. Winter.

413—**The Modern European Novel.** Three hours. Winter.

415—**Modern European Poetry.** Three hours. Winter, 1973-74.

417—**Modern Drama.** Three hours. Spring.

419—**Studies in Comparative Literature.** Three hours. Summer.

421—**Short Story Writing.** Three hours. Winter, alternate Summers.

422—**Poetry Writing.** Three hours. Fall, Spring, alternate Summers.

424—**Traditions and Forms.** Three hours. Fall.

449—**Studies in Literary Criticism.** Three hours. May be repeated as topic varies for credit to a total of nine hours. Quarterly.

451—**Chaucer.** Three hours. Spring.

452—**Medieval British Literature.** Three hours. Fall.

454—**Shakespeare's Comedies and Tragicomedies.** Three hours. Fall, Winter, alternate Summers.

455—**Shakespeare's Histories and Tragedies.** Three hours. Fall, Spring, alternate Summers.

456—**Sixteenth-Century British Literature.** Three hours. Fall.

458—**Seventeeth-Century Prose and Poetry.** Three hours. Winter.

459—**Milton.** Three hours. Winter, 1974-75.

461—**Major Writers of Eighteenth Century.** Three hours. Spring.

463—**The British Novel.** Three hours. Fall, 1974.

465—**Nineteenth-Century British Literature: Romantic.** Three hours. Fall.

466—**Nineteenth-Century British Literature: Victorian.** Three hours. Spring.

467—**Twentieth Century British Literature.** Three hours. Winter 1973-74, Summer 1975.

470—**The American Literary Renaissance, 1820-1870.** Three hours. Spring, Fall 1974, Summer 1975.

471—**The Rise of Realism in American Literature, 1870-1920.** Three hours. Winter 1973-74, Spring 1975.

472—**American Drama.** Three hours. Spring.

477—**The American Novel, 1920-1960.** Three hours. Fall 1973, Summer 1974, Winter 1974-75.

478—**Modern American Poetry.** Three hours. Winter 1973-74, Fall 1974, Summer 1975.

485—**Literature of the South.** Three hours. Fall 1973, Winter 1974, Summer 1973-74.

492—**Special Problems.** One to three hours. By permission of instructor.

ENVIRONMENTAL DESIGN (EVD—812)

140—**Environmental Design I.** Three hours. Winter.
Prerequisite: ART 111.
The principles of two dimensional design as applied to environmental settings and objects.

221—**Floral Design.** Three hours. As needed.
Six hours lecture and laboratory per week.
Fundamentals of floral arrangement and design.

331—**Textile Design: Fabric Surface Enrichment.** Three hours. Spring.
Prerequistes: ART 111, EVD 140.
Application of the art principles in developing designs for various fabric compositions and textures. Executing the designs through various media: block, batik, tie, screen, hand, and experimental processes.

ENVIRONMENTAL SCIENCE (ESC—335)

101, 102, 103—**Introduction to Environmental Science.** Four hours each. Fall, Winter, Spring.
Four lecture periods and one 3-hour laboratory period per week.
A study of basic physical, chemical, biological, and geological principles necessary for a beginning in understanding environmental processes. These courses serve as a prerequisite for higher level biology, chemistry, geology, and physics courses in the environmental science curriculum.

210—**Man's Precarious Habitat.** Three hours. Quarterly.
A course designed to bring about an awareness of the physical, biological, social, political, and economic problems associated with cleaning up the polluted environment.

401—**Pollution Detection.** Four hours. Fall, Summer.
Three lecture periods and one 3-hour laboratory or field trip per week.

A study of the composition of natural waters and clean air, water and air quality standards, and the physical, chemical, and biological sampling and testing for water pollutants or air pollutants. Emphasis is on field sampling and field tests.

402—**Pollution Analysis.** Four hours. Winter.

Three hours lecture and one 3-hour laboratory per week.

A continuation of ESC 401 with emphasis on analyzing and evaluating pollution abatement systems.

411—**Electronics for Scientists.** Four hours. Quarterly.

One hour lecture and two 4-hour laboratories per week.

A modern practical course in electronics necessary for an understanding of the functions and malfunctions of modern electronic instrumentation. The principles of automating laboratory and field measurements are stressed along with digital computer logic circuits.

492—**Seminar in Environmental Science I, II, III.** One hour each. Winter, Spring.

One discussion period per week.

Modern topics in pollution of the environment will be discussed.

FINANCE (FIN—615)

100—**Introduction to Business.** Three hours. Fall, Spring.

An introductory course to practically all phases of the business and economic world.

This course may not be taken for credit by juniors and seniors following programs in the School of Business Administration.

290—**Business Data Processing.** Three hours. Quarterly

Data processing as a tool for analysis and decision making at the management level of business administration.

295—**Fundamentals of Business Law.** Three hours. Quarterly.

An exposure to the background and present status of substantive and procedural law, the law of contracts, sales and agency.

311—**Advanced Business Law.** Three hours. Quarterly.

Prerequisite: FIN 295.

An elective course with a more specific treatment of the subject matter as applied to business. Especially suitable for the accounting, finance, and insurance majors.

320—**Personal Finance.** Three hours. Winter, Summer.

A study of the financial problems that people encounter in planning and managing their own individual affairs. Emphasis is given to budgeting, borrowing, saving and investments, life insurance, social security and annuities, home ownership, taxes, estate planning, and wills and trusts.

325—**General Insurance.** Three hours. Fall, Winter, Spring.

An introductory course dealing with the fundamental principles of risk and risk bearing and the insurance mechanism as a device for handling risk with particular reference to the principal types of coverage.

326—**Introduction to Actuarial Science.** Three hours. Spring.

Compound interest theory with applications to annuities certain; amortization, sinking funds and valuation of bonds. Basic techniques of premium and reserve determination.

330—**Real Estate Principles.** Three hours. Fall, Winter, Spring.

An introduction to the field of real estate covering the principles of valuation, appraisal, financing, and marketing of real estate.

350—**Bank Administration.** Three hours. Fall, Spring.

Prerequisite: ECO 330.

A comprehensive survey of practical bank administration, covering

such topics as bank practices and problems, loans and discounts, investments, fiduciary and other services.

352—**Investment Finance.** Three hours. Fall, Spring, Summer.
Prerequisite: FIN 389.
Introductions to stock and bond analysis and evaluation for investment decisions. Also an introduction to market operations and portfolio analysis.

355—**Problems in Bank Administration.** Three hours. Winter.
Prerequisite: FIN 350.
In-depth analysis, mainly by the case method, of issues relating to reserves, investments, loans, and capital structure management of commercial banks.

375—**Managerial Communications.** Three hours. Quarterly.
Effective principles and practices of written communication and graphic presentation, and their functional translations in terms of audience evaluation. The basic approach is problem-solving involving human relations messages, and decision-making reports. It is recommended that the student first complete the Business Core.

389—**Business Finance.** Three hours. Quarterly.
Prerequisites: ACC 202 and ECO 256.
Deals with internal and external financial management issues. Emphasis is placed on basic tools and methods of analysis for decision-making by financial managers.

400—**Computers in Decision Making.** Three hours. Spring.
Prerequisites: FIN 290, ECO 301, and ECO 302.
Principles of quantitative methods for business decisions under conditions of certainty, uncertainty, and risk. Tool uses include linear programming, probabilistic models, simulation of models, queuing theory, and PERT.

415—**Government and Business.** Three hours. Fall, Spring.
A study of the place of government in the business world, with emphasis on types of controls, regulation of public service corporations and financial institutions, laws to enforce competition, and government aids to business.

425—**Life Insurance.** Three hours. Fall, Summer.
Prerequisite: FIN 325.
A detailed study of the functions and uses of life insurance. General topics covered include economic basis of life insurance, contract analysis, acturial aspects, legal aspects and settlement options and programming.

430—**Real Estate Law.** Three hours. Spring.
Designed to give the student a general background in real estate law covering such major points as land and its elements, easements, titles, deeds, recording, brokers and managers, contracts of sales, insurance, and landlord and tenant, with emphasis on case and problem solutions.

432—**Real Estate Finance.** Three hours. Winter.
Prerequisite: FIN 330.
Traditional sources of real estate funds as well as public financing of industrial development. The larger portion of the course is devoted to an analytical framework for long-run real estate investment decisions.

434—**Real Property Valuation.** Three hours. Fall.
Prerequisite: FIN 330.
Political, social, and economic forces which operate simultaneously to create value. Quantitative methods are developed which will lead to an estimate of value which would appear reasonable in the market place.

436—**Property Management.** Three hours. Spring.
Prerequisite: FIN 330 or instructor's consent.
Economics of location, finance, marketing, and law in the content of property management. A brief look at managing corporate real estate will be followed by step-by-step program of apartment management development to utilize the aid of a computer program.

440—**Transportation.** Three hours. Spring.
Prerequisites: Principles of Economics and Principles of Marketing, and junior standing.
The principles, practices, and problems of transportation that prevail in the United States.

445—**Property and Liability Insurance.** Three hours. Winter, Summer.
Prerequisite: FIN 325.
An analysis of the fire policy, consequential loss contracts, crime insurance, automobile coverages, general liability insurance and workmen's compensation insurance.

450—**Health Insurance.** Three hours. Spring.
Prerequisite: FIN 325.
Disability risk with its economic consequences and the insurance coverages available to meet this risk. Areas covered include health and accident insurance policies, contract provisions and their implications; rate making, reserves and underwriting practices of the companies; public regulation and control of underwriters and agents.

462—**Security Analysis and Portfolio Planning.** Three hours. Winter, Summer.
Prerequisite: FIN 352.
To develop proficiency in the use of investment management tools for security evaluation, and to increase decision-making skill in planning portfolio needs of individuals and business enterprises.

472—**International Business Finance.** Three hours. Fall, Spring.
Prerequisite: FIN 389.
Concerned with the short- and long-run financial operations and specific cash and capital management problems of our increasing number of multinational businesses seeking to operate profitably abroad.

480—**Financial Management.** Three hours. Quarterly.
Prerequisite: FIN 389.
High-level analysis of internal and external financial decision-making issues. A systematic treatment, mainly by the case method, of major current and long-term financial management problems.

492—**Independent Study.** Three hours.
Special research assignment designed to meet the needs of the particular student; satisfactory completion of the work is to be evidenced by a written scholarly report acceptable to the supervising faculty member.

FOOD AND NUTRITION (F&N—815)

163—**Food Study.** Three hours. Fall, Winter, Spring.
Laboratory arranged.
Study of food science principles and their application in the preparation of foods and food products.

261—**Meal Planning and Table Service.** Three hours. Fall, Winter, Spring.
Prerequisite: F&N 163.
Laboratory arranged.
Emphasis on management of time, energy, and money in the selection and purchasing of foods, advanced meal planning, preparation, and serving.

271—**Problems in Managing a School Cafeteria.** Three hours. As needed.
Laboratory arranged.
Prerequisite: F&N 163.
Course in the organizational structure of the federal school lunch program. Emphasis placed on food cost control records and management procedures concerned with nutritional aspects of the school lunch operation at the local level. Experience in organization, equipment, and operation of food for large groups.

272—**Menu Planning, Food Preparation, and Serving for the School Cafeteria.** Three hours. As needed.
Two theory and two laboratory periods per week.
Planning balanced school lunches and banquets, actual experiences in preparation and service for large groups, including lunch program.

273—**Sanitation for Food Service.** Three hours. As needed.
Laboratory arranged.
Prerequisites: HTH 101 and 310, and F&N 163.
Emphasis on all phases of sanitation in school lunchrooms.

360—**Basic Nutrition.** Two hours. Winter, Spring.
Planned for non-home economics majors. Nutritional needs of body and proper selection of foods emphasized.

362—**Nutrition.** Three hours. Quarterly.
Prerequisite: F&N 261.
Intensive study of the body's need for foods, including the chemistry of digestion, care of digestive system, nutritive requirements of body during different stages of life.

364—**Teaching Food and Nutrition in the Elementary Grades.** Three hours. As needed.
Course planned to give those preparing to teach in the elementary grades some understanding of materials and methods for teaching nutrition.

370—**Food Problems.** Two hours. Spring.
A study of individual problems in food preparation. Problems developed by students in conference with instructor.

430—**Experimental Foods.** Three hours. Fall, Spring.
Laboratory arranged.
Prerequisite: F&N 261 and 362.
Elementary research to determine factors affecting standard products. Experimentation in preparation, ingredients, methods of cooking, temperature, and utensils used.

460—**Advanced Nutrition.** Three hours. Fall.
Prerequisites: F&N 362.
Study of current literature for new findings in field of nutrition.

461—**Diet in Disease.** Three hours. Winter.
Prerequisites: F&N 460.
Study of diseases influenced by diet and dietary treatment of diseases.

470—**The School Lunch.** Three hours. Spring.
Laboratory arranged.
Prerequisite: F&N 261 and 362.
Designed to give experience in menu planning, records, food buying, and preparing and serving food on quantity level.

471—**Institution Food Purchasing.** Three hours. Winter.
Prerequisite: Junior standing.
The purchase of food for institutional use, including investigation of marketing conditions, sources, standards of quality, grades, methods of purchase, care and storage of different classes of food.

472—**Quantity Food Production and Service.** Four hours. Fall.
Laboratory arranged.
Prerequisite: F&N 261.
Emphasis on actual food preparation and serving on quantity level.

473—**Organization and Management.** Four hours. Winter.
Laboratory arranged.
Prerequisite: F&N 472.
Organization, financial control, and personnel management for institution food departments.

474—**Quantity Food Service Layout and Equipment.** Three hours. Spring.
Prerequisite: Junior standing.
A study of the layout and function of quantity food service physical facilities with emphasis on arrangement, selection, cost, care of equipment; and the effect on efficient production and service of food.

492—**Research in Food and Nutrition Problems.** One to four hours. Fall, Winter, Spring.
Prerequisite: Senior standing and permission of the instructor.
Special problems course in food and nutrition.

FOREIGN LANGUAGES (FL—228)

100—**English as a Foreign Language.** Four hours. As needed.
Credit not applicable toward degree.

111—**French: One.** Four hours. Quarterly.

112—**French: Two.** Four hours. Quarterly.

121—**German: One.** Four hours. Quarterly.

122—**German: Two.** Four hours. Quarterly.

141—**Italian: One.** Four hours. Fall.

142—**Italian: Two.** Four hours. Winter.

151—**Latin: One.** Four hours. Fall, Spring.

152—**Latin: Two.** Four hours. Winter.

161—**Russian: One.** Four hours. Fall, Spring.

162—**Russian: Two.** Four hours. Winter.

171—**Spanish: One.** Four hours. Quarterly.

172—**Spanish: Two.** Four hours. Quarterly.

200—**Nature and Evolution of Language.** Three hours. Winter.

211—**French: Three.** Three hours. Quarterly.

212—**French: Four.** Three hours. Quarterly.

221—**German: Three.** Three hours. Quarterly.

222—**German: Four.** Three hours. Quarterly.

231—**Greek: One.** Four hours. Fall, Spring.

232—**Greek: Two.** Four hours. Fall, Winter.

241—**Italian: Three.** Three hours. Spring.

242—**Italian: Four.** Three hours. As needed.

251—**Latin: Three.** Three hours. Fall, Spring.

252—**Latin: Four.** Three hours. As needed.

261—**Russian: Three.** Three hours. Fall, Spring.

262—**Russian: Four.** Three hours. Winter.

271—**Spanish: Three.** Three hours. Quarterly.

272—**Spanish: Four.** Three hours. Quarterly.

300—**Comparative Phonetics.** Three hours. Spring.

301—**Credit for Study Abroad.** Three to nine hours. Quarterly.
Prerequisite: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit.
Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

302—**Poetry.** Three hours. Fall.

303—**Prose Fiction.** Three hours. Winter.

304—**Drama.** Three hours. Spring.

311—**French: Conversational Practicum.** Three hours. Fall, Winter.
May be taken for a total of six hours.

312—**French: Advanced Grammar and Composition.** Three hours. Fall, Winter.
May be taken for a total of six hours.

321—**German: Conversational Practicum.** Three hours. Fall, Winter. May be taken for a total of six hours.

322—**German: Advanced Grammar and Composition.** Three hours. Spring.

333—**Greek: Culture and Literature in Translation.** Three hours. Winter.

353—**Latin: Culture and Literature in Translation.** Three hours. As needed.

361—**Russian: Conversational Practicum.** Three hours. Fall, Winter.
May be taken for a total of six hours.

362—**Russian: Advanced Grammar and Composition.** Three hours. Spring.

371—**Spanish: Conversational Practicum.** Three hours. Fall, Winter.
May be taken for a total of six hours.

372—**Spanish: Advanced Grammar and Composition.** Three hours. Spring.

400—**Introduction to Exotic Languages.** Three hours. Quarterly.
May be taken for a total of nine hours.

401—**Advanced Credit for Study Abroad.** Three to nine hours. Quarterly.
Prerequisite: Advanced knowledge of the language to be studied; otherwise, same as FL 301. (See FL 301)

402—**Introduction to the Advanced Study of Foreign Literature.** Three hours. Spring.

403—**Translation.** Three hours. As needed.
May be taken for a total of nine hours.

404—**Methods of Teaching Foreign Language.** Three hours.
May be taken for a total of six hours.

415—**French: History of Literature.** Three hours. Quarterly.
May be taken for a total of twelve hours.

425—**German: History of Literature.** Three hours. Quarterly.
May be taken for a total of twelve hours.

431—**Greek: Three.** Three hours. Fall, Spring.

432—**Greek: Four.** Three hours. Fall, Spring.

435—**Greek: Readings in Literature.** Three hours. As needed.
May be taken for a total of nine hours.

455—**Latin: Readings in Literature.** Three hours. As needed.
May be taken for a total of nine hours.

465—**Russian: History of Literature.** Three hours. As needed.
May be taken for a total of twelve hours.

475—**Spanish: History of Peninsula Literature.** Three hours. Spring.
May be taken for a total of twelve hours.

476—**Spanish: History of Latin American Literature.** Three hours.
May be taken for a total of twelve hours.

492—**Special Problems.** One to three hours. Quarterly.
May be taken for a total of nine hours.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses (the 100 series) consist of lecture demonstration sessions of 200 minutes and 210 minutes per week. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines. Credit for these courses will not count toward the degree requirements for a major or minor in the sciences or in the secondary school science teaching.

Inasmuch as there is overlapping and duplication in these courses and those offered by various other science departments, the student should read carefully the limitations for each of the Fundamentals of Science courses. Any questions should be answered by the students' adviser and/or the Department of Science Education prior to enrolling in these courses since they may be taken in any sequence the student chooses.

104—**Physical Science I.** Three hours. Quarterly.

A student who has credit for two quarters or one semester of physics cannot receive credit for this course.

A study of matter and energy in the universe; their sources, transformation, and interactions; the forces acting within the universe; and the laws governing these phenomena.

105—**Physical Science II.** Three hours. Quarterly.

A student who has credit for one semester or two quarters of chemistry and/or physical or historical geology cannot receive credit for this course.

A continuation of FS 104. Primary emphasis is on elementary and compound substances, the arrangement of and forces acting on these substances in the formation of the earth, atmosphere, and the universe.

106—**Biological Science I.** Three hours. Quarterly.

A student who has credit for two quarters of biology cannot receive credit for FS 106 and FS 107. A student who has credit for one quarter of biology can receive credit for either FS 106 or FS 107, but not both.

Studies in the general life science with emphasis on the systems of Man. Important ideas are: Biochemical processes, cell theory, heredity and effects of environment. A student having a weak background in chemistry should take FS 105 prior to taking this course.

107—**Biological Science II.** Four hours. Quarterly.

Studies of the diversity of life in plants and animals, history of life, the physical environment, social behavior, animals and man in nature.

GENETICS (GEN—312)

201—**Genetics in Human Affairs.** Three hours. Winter, alternate years.

Four hours lecture per week.

For students in Honors Program only.

The basic principles of genetics as illustrated by man. A survey of current knowledge of human heredity and applications of these principles to human affairs are discussed.

402—**Genetics.** Three hours. Quarterly.
Four hours lecture per week.
Prerequisite: MIC 101 or BIO 101; one quarter of organic chemistry recommended.
The fundamental principles of heredity.

403—**Advanced Genetics.** Four hours. Winter.
Prerequisites: MIC 101 or BIO 101, GEN 402.
A continuation of GEN 402. Study of phenotypic effects of genes, of radiations and other mutagens, population genetics, speciation, microbial genetics, and regulations of gene action.

411—**Physiological Genetics.** Three hours. Spring, alternate years.
Prerequisites: GEN 402, 403.
Recent advances in physiological genetics. Attention will be directed to literature on the nature of genes and to the interaction of heredity and environment in the expression of the characteristics of higher organisms.

421—**Interpretation of Biological Data.** Three hours. Spring, alternate years.
Prerequisites: MAT 103, GEN 402.
Techniques applicable to the design and interpretation of biological research data.

451—**Medical Genetics.** Three hours. Fall, Winter, Summer.
Four hours lecture per week.
The basic principles of human genetics with emphasis on the causation of abnormality and disease.

461—**Microbial Genetics.** Three hours. Fall, alternate years.
Four hours lecture per week.
Prerequisites: MIC 101, GEN 402, 403.
The genetics and molecular biology of microorganisms and viruses. Mutation, transformation, transduction, conjugation, sex factors and other plasmids studied.

492—**Special Problems I, II, III.** Two hours each.
Given only by special arrangement.
A course in library and/or laboratory research on a problem chosen in consultation with the adviser.

GEOGRAPHY (GHY—268)

103—**Principles of Global Geography.** Three hours. Quarterly.
An introductory course in world regional geography.

210—**Principles of Cartography.** Three hours. Fall, Winter.

223—**Weather and Climate.** Three hours. Fall, Spring.
Two hours lecture and four hours laboratory per week.
A study of selected elements of physical geography: earth-sun relations, weather, and climate.

224—**Geography of Landforms.** Three hours. Winter, Summer.
Two hours lecture and four hours laboratory per week.
A study of selected elements of physical geography with emphasis on landforms.

300—**Geography of Mississisippi.** Three hours. Summer.

302—**Geography of the United States and Canada.** Three hours. Fall.

303—**Geography of South America.** Three hours. Fall.

304—**Geography of the Caribbean Countries.** Three hours. Winter.

306—**Geography of Europe.** Three hours. Spring.

307—**Geography of Asia.** Three hours. Winter.

308—**Geography of Africa.** Three hours. Spring.

315—**Quantitative Methods in Geography.** Three hours. Fall.

331—**Cultural Systems in the Environment.** Three hours. Fall, Spring, Summer.

335—**Historical Geography.** Three hours. Winter.

341—**World Political Geography.** Three hours. Fall, Winter.

350—**Introduction to Economic Geography.** Three hours. Quarterly.

370—**Conservation of Natural Resources.** Three hours. Fall.

410—**Advanced Cartography.** Three hours. Spring.
Prerequisite: GHY 210.

411—**Aerial Photograph Interpretation.** Three hours. Fall.

412—**Remote Sensing of the Environment.** Three hours. Winter.

413—**Field Methods in Geography.** Three hours. Spring.

414—**Urban Field Methods.** Three hours. Spring.
Prerequisite: GHY 460.

416—**Computer Applications in Geography.** Three hours. Winter.
Prerequisite: GHY 315 or consent of instructor.

422—**Geography of Soils and Vegetation.** Three hours. Spring.
Prerequisite: GHY 224 or consent of instructor.

425—**Environmental Climatology.** Three hours. Winter.

440—**Population and Settlement Geography.** Three hours. Winter.
Prerequisite: GHY 331 recommended.

451—**Industrial Location Analysis.** Three hours. Spring.

452—**Rural Land Use.** Three hours. Spring.
Prerequisite: GHY 350.

453—**Transportation Geography.** Three hours. Winter.
Prerequisite: GHY 350.

460—**Urban Geography.** Three hours. Fall.
Prerequisite: GHY 350.

465—**Urban and Regional Planning.** Three hours. Winter, Summer.
Prerequisites: GHY 350 and 460 or consent of instructor.

471—**Resource Management: Theories, Methods, and Models.** Three hours. Winter.
Prerequisite: GHY 370 or consent of instructor.

472—**Forest Resource Management.** Three hours. Summer.
Prerequisite: GHY 471 or consent of instructor.

473—**Water Resources.** Three hours. Fall.

474—**Watershed Management.** Three hours. Spring.
Prerequisites: GHY 473 or consent of instructor.

491—**Geography Internship.** Three to nine hours. (May be repeated for a total of nine hours.) Quarterly.

492—**Special Problems.** One to three hours. Quarterly. May be repeated for a total of six hours.

GEOLOGY (GLY—340)

101—**Physical Geology.** Three hours. Quarterly.

An introduction to the study of the Earth, including the physical processes for shaping the major features of the landscape. Optional field trips.

102—**Physical Geology Laboratory.** One hour. Quarterly.

Study of common rocks and minerals, including those important in Man's activities, and introduction to methods of analysis of geological

features. Field trips may be required. May be taken concurrently with GLY 101 or in later quarters. Required for majors or minors in geology.

103—**Historical Geology.** Three hours. Quarterly.
Three lectures per week.
Prerequisite: GLY 101.
A study of Earth history as revealed in the character and fossil content of rocks. A field trip may be required.

104—**Historical Geology Laboratory.** One hour. Quarterly.
Introduction to the study of fossils and the interpretation of geologic maps. Field trips may be required. May be taken concurrently with GLY 103 or in later quarters. Required for majors or minors in geology.

201—**Geomorphology.** Three hours. Spring.
Two lectures and four hours laboratory per week; field trips.
Prerequisites: GLY 101 and 103.
Study of the landscape and its origin through geologic processes, with examples illustrated by topographic maps, air photographs, and field observation.

241—**Invertebrate Paleontology.** Three hours. Winter.
Two lectures and four hours laboratory per week; field trips.
Prerequisites: GLY 103 and permission of instructor.
Invertebrate fossils from the Protozoa through Conodontophoridia with attention to taxonomy, morphological features, and geologic distribution.

301—**Mineralogy I.** Three hours. Fall.
Two hours lecture and four hours laboratory per week.
Prerequisites: GLY 101, CHE 101, 102, 103.
Elementary crystallography, introduction to silicates; elements of determinative mineralogy.

302—**Mineralogy II.** Three hours. Winter.
Three hours lecture and two hours laboratory per week.
Prerequisite: GLY 301. Physical chemistry recommended.
Chemical and structural mineralogy.

304—**Petrology.** Three hours. Spring.
Three hours lecture and two hours laboratory per week; field trips.
Prerequisite: GLY 301; GLY 302 recommended.
A study of the origin, description, and classification of igneous, sedimentary, and metamorphic rocks.

306—**Environmental Geology.** Three hours. Fall.
Examination of problems in groundwater, drainage basins, construction practices, natural resources extraction and utilization, erosion, and sedimentation as related to difficulties now facing human development and environmental control and amelioration for future progress.

308—**Strucutral Geology.** Three hours. Fall.
Two hours lecture and four hours laboratory per week; field trips.
Prerequisites: GLY 103 and MAT 103.
Principles of rock deformation.

401—**Principles of Stratigraphy.** Three hours. Fall.
Four hours lecture; weekend field trip.
Prerequisites: GLY 241, 301, 308, or permission of instructor.

403—**Optical Mineralogy.** Three hours. Winter.
Three hours lecture and two hours laboratory per week.
Prerequisites: GLY 301 and MAT 103.
Introduction to optical mineralogy.

405—**Sedimentology.** Three hours. Winter.
Two hours lectures and four hours laboratory per week.
Prerequisite: GLY 301.

Origin of sedimentary particles, sedimentary structures, and classification of sedimentary rocks.

407—**Petrography.** Three hours. As needed.
Two hours lecture and four hours laboratory per week.
Prerequisites: GLY 304 and 403.
Systematic study of rocks by means of the polarizing microscope.

410—**Elements of Geochemistry.** Three hours. Winter.
Four hours lecture per week.
Prerequisites: GLY 301 and 302.
Chemical processes operative in geology.

420—**Elements of Geophysics.** Three hours. As needed.
Three lectures and one hour laboratory per week.
Prerequisites: GLY 101, MAT 103, PHY 103 (or 203), and consent of instructor.
Terrestrial magnetism and electricity, gravitational field variations and measurements, seismic reflection and refraction, nuclear geology, surface and subsurface measurements. Concepts and significance of geophysical variations.

441—**Paleoecology.** Three hours. As needed.
Two lectures and four hours laboratory per week; field trips.
Prerequisites: GLY 241 and BIO 461, or permission of instructor.
A study of the relationship between ancient organisms and the environment in which they lived.

443—**Micropaleontology I.** Three hours. As needed.
One hour lecture and six hours laboratory per week.
Prerequisite: GLY 241.
Taxonomy, morphology, and stratigraphic use of Foraminifera; field trips.

450—**Introductory Oceanography.** Three hours. Fall.
Prerequisites: GLY 103, PHY 103, CHE 103 and consent of instructor.
Techniques and results of study of the oceanic hydrosphere and its interfacial relationships with the lithosphere and atmosphere.

452—**Physical Marine Geology.** Three hours. Summer. Gulf Coast Research Laboratory.
Prerequisites: GLY 101 and 103.
Geological processes, sedimentary environments and geomorphological features of marine coastal, intertidal, and near-shore zones are studied.

454—**Chemical Marine Geology.** Three hours. Summer. Gulf Coast Research Laboratory.
Prerequisites: GLY 103, 301, 405, and CHE 201 and 203, or permission of instructor. Supervised research on the chemistry of the coastal waters of Mississippi and geochemistry of the bottoms.

456—**Special Problems in Marine Science.** Not to exceed 6 semester hours. Summer. Gulf Coast Research Laboratory.
Prerequisites: To be set by Problem Director.
Area of Study: Geology.

470—**Petroleum Geology.** Three hours. As needed.
Two hours lecture and four hours laboratory per week.
Prerequisites: GLY 304, 308, 401.
The origin, occurrence, and accumulation of oil and natural gas; field trips.

472—**Economic Geology.** Three hours. Spring.
Three hours lecture and one hour laboratory per week.
Prerequisites: GLY 301, 304, 308.
Principles of ore genesis. A formal geology report will be required.

474—**Geological Excursion.** One hour. (May be repeated, in a different region, for a total of three hours credit.)

Field studies of geological phenomena in areas remote from the campus, by means of 8 to 10 days field trips between quarters. Must be registered for at registration time of quarter preceding the trip; credit will be granted during quarter following the trip, after completion of field report. Transportation fee will be assessed dependent on length of trip.

492—**Special Problems in Geology.** Three hours.

Prerequisites: Senior standing and permission of the department head.

Independent study or research designed for the needs of the individual students.

HEALTH (HTH—715)

The below listed courses are offered by the Department of Health and the Department of Athletic Administration and Coaching. The Athletic Administration and Coaching courses are designated by the second digit 7 (i.e., HTH **370** is **Prevention and Care of Athletic Injuries.)**

101—**Personal Health.** Three hours. Fall, Winter, Spring.

The human body and its function as related to problems of health and disease. (Not to be included in health and physical education major.)

210—**Introduction to School Health Education.** Three hours. Fall, Winter, Spring.

An orientation to school health with a historical and philosophical perspective.

310—**First Aid.** Two hours. Fall, Winter, Spring.

Standard First Aid as approved by the American Red Cross. Emphasis on preparing students in the knowledge and skills needed in preventing accidents as well as rendering first aid to the victim of accidents and sudden illness. (Not to be included in health and physical education major.)

311—**Emergency Health Care.** Three hours. Fall, Winter, Spring.

Standard first aid plus advanced study certifying personnel to conduct first aid courses in school and community; civil defense and medical emergency care.

315—**Anatomical Structures Related to Movement.** Three hours. Fall, Winter, Spring.

Prerequisites: BIO 101 and 102.

A study of the skeletal, muscular, circulatory, and neurological structures pertinent to human movement.

321—**Community Health.** Three hours. Winter, Spring.

Community control of environmental health hazards; community control of disease; health agencies.

341—**Safety.** Three hours. Fall, Winter, Spring.

A study of accident problems, safety programs and methods of prevention in industry, home, school, and automobile traffic.

370—**Prevention and Care of Athletic Injuries.** Three hours. Fall, Spring.

Theory and practice for the prospective trainer and coach.

371—**Diagnostic Techniques.** Three hours. Winter, Spring.

A specialized course dealing with anatomy, injury symptoms, and specific test to help make preliminary evaluation until the doctor can make final diagnosis.

372—**Athletic Therapy Modalities.** Two hours. Fall.

The theory and operation of the most commonly used therapeutic

devices of the training room. All techniques will be in accordance with the instruction given by the team physician.

373—**Strength, Conditioning, and Rehabilitation.** Two hours. Winter.
Building stronger athletes during the off-season, developing maximum efficiency during the season, and getting the athlete back into action in the minimum amount of time in the event of injury.

410—**Health Education in Elementary Schools.** Three hours. Fall, Winter, Spring.
Methods and materials for the elementary teacher, with special emphasis on instruction and on coordination of school and community health programs.

411—**Health Education in Secondary Schools.** Three hours. Fall, Winter, Spring.
Primarily for students majoring or minoring in health and physical education. Materials and techniques for high school teachers of health; conducting the school health program at the secondary level.

412—**Measurement and Evaluation in Health Education.** Three hours. Winter, Spring.
A survey of evaluation instruments for appraising personal health, measuring health knowledge, attitudes, interests and practices, and the interpretation of these data.

415—**School Health.** Three hours. Winter, Spring.
Organization and operation of school health programs with emphasis on policies, procedures, problems, cooperating agencies, and field work.

420—**Communicable and Chronic Disease in Man.** Three hours. Winter, Spring.
Problems, control programs, and prevention of communicable and chronic disease in modern society.

421—**Sanitation.** Three hours. Fall, Winter.
Problems of sanitation in the home and school, in food producing and handling, water supply, waste and excreta disposal. Based on an understanding of general biology.

422—**Drugs in Society.** Three hours. Fall, Spring.
Prerequisites: HTH 101 or permission of instructor.
Psycho-social, medical, legal, and health aspects of drugs and their abuse, plus a current analysis of the problem in our society.

430—**Marriage and Human Sexuality.** Three hours. Fall, Winter, Spring.
Physical, emotional, and medical basis for successful courtship, marriage, and parenthood.

440—**Introduction of Driver Education.** Three hours. Fall, Winter, Spring.
Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operation, and traffic law and regulations. Includes introduction of laboratory experiences in the use of psychophysical testing and in the development of driving skills.

441—**Traffic Safety Education.** Three hours. Fall, Winter, Spring.
An in-depth study into the major problems in traffic safety. The driver, pedestrian, engineering, and enforcement will be the principal areas to be examined.

442—**Laboratory Programs in Driver Education.** Three hours. Fall, Winter, Spring.
An examination of the aims, objectives, and role of laboratory programs in driver education. Directed laboratory experiences will be provided.

443—**Methods of Driver and Traffic Safety Education.** Three hours. Fall, Winter, Spring.

Prerequisite: HTH 440.

Methods and techniques to develop competence in transferring knowledge and skills as well as inspiring satisfactory attitudes. Organization and administration of the program, including scheduling, financing, and developing good public relations.

444—**Simulation in Driver Education.** Three hours. Fall, Winter, Spring.

Prerequisites: HTH 440 and HTH 443.

Simulation is an audiovisual instructional method and has been designed to complement and supplement other instructional techniques utilized in the Driver Education Program to prepare individuals to function safely and effectively in today's traffic.

470—**Medical Aspects of Athletic Training.** Three hours. Spring.

Team physician and trainer relationships. Physical examination, emergency equipment, medical terminology, and other problems closely related to the team doctor.

471—**Training Room Practice.** Two hours. Fall.

All students working toward an athletic training certificate will be required to work two afternoons per week in the training room. Their duties will consist of observation and actual practice of training room techniques on varsity athletes.

472—**Field Experience in Athletic Training.** Three hours. Spring.

During the senior year, all students working toward an athletic training certificate will be given actual practice in the field.

492—**Independent Study.** Three hours. Fall, Winter, Spring.

A student originated problem, research plan, and reporting of results, with guidance of a chosen adviser.

HISTORY (HIS—272)

Economics 310, Religion 432 and 433, and Political Science 420, 421, and 425 may be elected as history if approved by the student's adviser. No more than six (6) hours of these courses may be counted as history credit.

101—**World Civilization to 1648 A.D.** Three hours. Quarterly.

102—**World Civilization Since 1648 A.D.** Three hours. Quarterly.

140—**United States to 1877.** Three hours. Quarterly.

141—**United States Since 1877.** Three hours. Quarterly.

300—**Cold War Issues.** Three hours. Fall, Spring.

301—**Survey of the Far East.** Three hours. Spring.

302—**Impact of Science on History.** Three hours. Spring.

310—**The Ancient World.** Three hours. Fall.

311—**The Middle Ages.** Three hours. Winter.

312—**Early Modern Europe.** Three hours. Spring.

313—**Early English History.** Three hours. Fall.

314—**Modern English History.** Three hours. Winter.

340—**History of the American Negro.** Three hours. Fall.

341—**Mississippi History.** Three hours. Quarterly.

342—**U. S. Military History.** Three hours. Spring.

380—**Colonial Latin America.** Three hours. Fall.

381—**Modern Latin America.** Three hours. Winter.

410—**Russia to 1917.** Three hours. Fall.

411—**Russia Since 1917.** Three hours. Spring.
412—**English Constitutional History.** Three hours. Spring.
413—**Medieval Life and Thought.** Three hours. Winter.
414—**Modern Germany.** Three hours. Winter.
415—**French Revolution and Napoleon.** Three hours. Fall.
416—**Europe, 1815-1870.** Three hours. Winter.
417—**Europe, 1870-1918.** Three hours. Spring.
418—**Europe, 1918-1939.** Three hours. Winter.
419—**Europe Since 1939.** Three hours. Spring.
420—**Modern France.** Three hours. Fall.
421—**Tudor-Stuart Britain.** Three hours. Fall.
422—**Nineteenth Century Britain.** Three hours. Winter.
423—**Twentieth Century Britain.** Three hours. Spring.
440—**The Age of Jefferson and Jackson.** Three hours. Fall.
441—**American Thought and Culture.** Three hours. Spring.
442—**The Old South.** Three hours. Fall.
443—**The New South.** Three hours. Winter.
444—**United States Constitutional History.** Three hours. Winter.
445—**U. S. Foreign Relations to 1914.** Three hours. Winter.
446—**U. S. Foreign Relations Since 1914.** Three hours. Spring.
447—**Colonial American.** Three hours. Fall.
448—**Revolutionary Era.** Three hours. Winter.
449—**American Political Leaders.** Three hours. Spring.
450—**The Early American Frontier.** Three hours. Winter.
451—**Trans-Mississippi West.** Three hours. Spring.
452—**The Sectional Controversy and the Civil War, 1840-1865.** Three hours. Spring.
453—**Reconstruction and the Emergence of Modern America, 1865-1898.** Three hours. Fall.
454—**The Progressive Era, World War I, Prosperity and Depression, 1898-1933.** Three hours. Winter.
455—**The New Deal, World War II, and Post-War America, 1933-Present.** Three hours. Spring.
480—**History of Mexico and the Caribbean.** Three hours. Fall.
481—**History of South America: The Andean Countries.** Three hours. Winter.
482—**History of South America: Brazil and the Rio de la Plata.** Three hours. Spring.
492—**Special Problems.** One to three hours.

HOME ECONOMICS EDUCATION (HEE—820)

111—**Introduction to Home Economics.** One hour. Fall.
A course designed to show the value of home economics in personal and family living, as well as in vocational pursuits.

301—**The Teaching of Home Economics Education.** Three hours. Quarterly.
Prerequisite: Junior standing in home economics.
A study of the place of home economics education in the total school program. Emphasis on organization of teaching plans and materials; opportunity for class and home experiences, and evaluation for the school home economics education program.

302—**Consumer Education.** Three hours. Fall, Spring.
Prerequisite: Junior status.
This course is designed to help the student recognize the role and the responsibility of the consumer in the economy. The study will involve an exploration of the common consumer problems, some economic trends and principles, and some consumer agencies which help the individual and the family to develop wise buying skills and proper use of consumer aids.

401—**Demonstration Techniques.** Three hours. Fall.
The course is concerned with planning and conducting demonstrations for prospective commercial home economists and teachers who are required to use the demonstration method of laboratory teaching. Consideration will be given to television demonstration techniques.

402—**Teaching Home Economics to Adults.** Four hours. Quarterly.
Prerequisite: HEE 301.
A study of the adult home economics program, including emphasis on gainful employment as provided through the Vocational Education Act of 1963. Observation of and participation in existing programs will be provided to help the student in the teaching of home economics to adults.

403—**Student Teaching in Home Economics Education.** Nine hours. Fall, Winter, Spring.
Prerequisite: HEE 301.

405—**Extension Education.** Three hours. Winter.
Opportunities provided to work with state extension specialists and with the district extension leader to become acquainted with special methods in extension work.

492—**Special Problems in Home Economics Education.** One to four hours. Quarterly.

HONORS PROGRAM (H—001)

111—**Honors Colloquium.** Three hours. Fall.
112—**Honors Colloquium.** Three hours. Winter.
113—**Honors Colloquium.** Three hours. Spring.
201—**Honors Colloquium.** One hour. Fall.
202—**Honors Colloquium.** One hour. Winter.
301—**Honors Colloquium.** One hour. Fall, Spring.
302—**Honors Colloquium.** One hour. Winter.
311—**Directed Study.** Three hours. Quarterly.
312—**Directed Study.** Three hours. Quarterly.
401—**Honors Colloquium.** One hour. Fall.
402—**Honors Colloquium.** One hour. Winter.
411—**Directed Study.** Three hours. Quarterly.
492—**Senior Honors Project.** Three hours. Quarterly.

HOUSING AND HOME MANAGEMENT (HHM—825)

340—**Housing and House Furnishings.** Three hours. Quarterly.
Prerequisite: C&T 332.
A study of the economic and sociological problems in housing and house furnishings; house plans in relation to their influence on family life; trends in heating, plumbing, and lighting houses; selection and arrangement of house furnishings.

345—**Household Equipment.** Three hours. Fall, Winter, Spring.
Prerequisite: F&N 261. Laboratory arranged.
A study of the selection, operation, care, repair, and arrangement of appliances in the home.

441—**Field Work in Equipment.** Nine hours. Winter.
Educational experiences with home economists in the Extension Service and with utility companies. Field work for those planning to become home economists in equipment.

442—**Economics of the Home.** Three hours. Quarterly.
Problems of homemaking relating to wise use of resources. Consumer problems of the homemaker.

443—**Home Management Residence.** Four hours. Quarterly.
Prerequisite: F&N 362 and C&T 332. (HHM 442 to be taken concurrently.)

492—**Special Problems in Housing and Home Management.** One to six hours. As needed.
A. Housing—Prerequisite: HHM 340.
B. Equipment—Prerequisite: HHM 345.

INDUSTRIAL AND TECHNICAL EDUCATION (ITE—165)

116—**General Shop.** Three hours. Fall, and as needed.
Six hours per week.
A general course utilizing a variety of industrial materials and processes.

121—**Engineering Drawing I.** Three hours. Fall, Summer.
Six hours per week.
Introduction to drafting techniques, tools, materials, geometric construction, lettering, dimensioning, and multi-view representation.

122—**Engineering Drawing II.** Three hours. Winter, Summer.
Six hours per week.
Prerequisite: ITE 121.
Continuation of ITE 121. Sectional views, auxiliary views, revolutions, pictorial drawings, etc.

301—**Industrial Arts Electricity.** Three hours. Fall, Summer.
Six hours per week.
An introduction to electricity through the study of motors, generators, transformers, magnetism, resistance, induction, etc.

302—**Industrial Arts Electronics.** Three hours. Winter, Summer.
Six hours per week.
Prerequisite: ITE 301.
Introduction to electron tube and transistor characteristics, power supplies, amplifiers, oscillators, use of the oscilloscope and other test equipment.

303—**Industrial Electronics.** Three hours. Spring.
Six hours per week.
Prerequisite: ITE 302.
A study of transistors and other solid state devices and their application in both consumer and industrial circuitry. Printed circuits, logic circuits, etc.

304—**Mechanical Equipment and Electrical Systems of Buildings I.** Three hours. Fall.
Design, installation and performance of mechanical and electrical equipment for residential and commercial buildings.

305—**Mechanical Equipment and Electrical Systems of Buildings II.** Three hours. Winter.
Prerequisite: ITE 304.
Continuation of ITE 304.

306—**Electrical Controls and Power Circuits.** Three hours. Spring.
Six hours per week.
Power requirements in single and multi-phase circuits; AC and DC motors, controls, relays, etc.

308—**Industrial Instrumentation.** Three hours. Winter.
Modern methods of measurement and control of process variables; temperature, pressure, liquid level, flow, etc.

310—**Industrial Design.** Three hours. As needed.
Six hours per week.
A basic course in design for the student preparing to teach industrial arts in the elementary or secondary schools.

313—**Production Technology.** Three hours. Winter.
Study of jigs and fixtures, mass production techniques, product design, etc.

314—**Leather Craft.** Three hours. Winter.
Six hours per week.
Instruction in designing, tooling, carving, and finishing leather products.

315—**Plastics.** Three hours. Winter, Summer.
Six hours per week.
Plastics in common use, design, shaping, and finishing operations.

316—**Power Mechanics I.** Three hours. Fall, Spring, Summer.
Six hours per week.
Development and use of all forms of power. Laboratory experiences with gasoline engines.

317—**Photography in Industrial Arts.** Three hours. Winter.
Six hours per week.
Evaluation of photography in the industrial arts curriculum. Includes camera selection, film selection, exposures, developing, printing, enlarging, copying, slides, etc.

318—**Materials and Processes of Industry.** Three hours. Fall, Spring.
A study of manufacturing methods with a variety of industrial materials.

319—**Industrial Arts for Elementary Teachers.** Three hours. Spring, Summer.
A course designed to prepare elementary teachers to instruct students in activities associated with industry.

323—**Engineering Drawing III.** Three hours. Quarterly.
Six hours per week.
Prerequisites: ITE 121 and 122.
Continuation of Engineering Drawing II.

324—**Engineering Drawing IV.** Three hours. As needed.
Six hours per week.
Prerequisite: ITE 323 and instructor's permission.
A study of drafting techniques involved in advanced and difficult drafting problems.

325—**Descriptive Geometry.** Three hours. As needed.
Six hours per week.
Application of the principles of geometry to engineering, architecture, and geology.

331—**Woodwork.** Three hours. Quarterly.
Six hours per week.
Introduction to woodworking tools, materials, processes, and products.

332—**Wood Finishing.** Three hours. Quarterly.
Six hours per week.
A general course covering materials, equipment, and techniques.

333—**Advanced Woodwork.** Three hours. Quarterly.
Six hours per week.
Prerequisites: ITE 331 and 332.
Emphasis upon individual design, machine use, and advanced project construction.

334—**Wood Technology.** Three hours. Spring, Summer.
Six hours per week.
Prerequisite: ITE 333 or instructor's permission.
Advanced techniques applied to veneers, plywoods, adhesives, and laminates.

340—**Welding.** Three hours. Quarterly.
Six hours per week.
Theory and practice in oxy-acetylene and arc welding.

341—**Sheet Metal Work.** Three hours. Winter, Spring.
Six hours per week.
Pattern making and metal forming through hand and machine processes.

342—**Machine Shop.** Three hours. Fall, Spring.
Six hours per week.
Typical machine shop operations including turning, drilling, milling, etc.

343—**Decorative Metal Work.** Three hours. As needed.
Six hours per week.
Processes involved in designing, construction, and finishing of decorative objects in non-ferrous metals.

344—**General Metals.** Three hours. Fall, Summer.
Six hours per week.
Introduction to the field of metalworking with related information and laboratory experiences in several areas.

345—**Casting Technology.** Three hours. Winter, Summer.
Six hours per week.
Investigations and laboratory experiences in typical casting processes.

350—**Architectural Drawing.** Three hours. Winter, Spring.
Six hours per week.
Beginning course in architectural drawing, lettering, details, floor plans, etc.

351—**Architectural Design I.** Three hours. Fall, Summer.
Six hours per week.
Analysis and solutions to problems in design of residential and/or vacation houses or the remodeling of same.

352—**Architectural Design II.** Three hours. Winter, Summer.
Six hours per week.
Prerequisite: ITE 351.
Design problems related to apartment houses, fraternity and sorority houses.

353—**Architectural Design III.** Three hours. Spring, Summer.
Six hours per week.
Prerequisite: ITE 352.
Design problems related to motels and restaurants.

361—**Analytical Mechanics I.** Three hours. Fall.
Statics and mechanics of materials, friction, inertia, vectors, etc., as related to machines and mechanisms.

362—**Analytical Mechanics II.** Three hours. Winter.
Prerequisite: ITE 361.
Continuation of Mechanics I. Kinetics, eccentric loadings, energy impulse, periodic motions, etc.

363—**Plastics Mold and Die Design.** Three hours. Winter.
Fundamentals of mold design for injection, compression, transfer, thermoforming and extrussion processes.

364—**Plastics Mold Design and Construction.** Three hours. Spring.
Six hours per week.
Prerequisites: ITE 363, 342, and instructor's permission.
Actual design and construction of molds to be used on production machines.

365—**Plastics Technology IV.** Three hours. Fall.
Prerequisite: PSC 362.
A theoretical and practical study of plastics process technology.

367—**Plastics Industry Organization.** Three hours. Fall.
Analysis of product research, design, development, production, and marketing.

371—**Building Construction I.** Three hours. Fall.
Prerequisite: Permission of instructor.
Study and examination of materials and methods of construction.

372—**Building Construction II.** Three hours. Winter.
Prerequisite: Permission of instructor.
Continuation of Construction I.

373—**Building Construction III.** Three hours. Spring.
Prerequisite: Permission of instructor.
Continuation of Construction II.

375—**Structures I.** Three hours. Fall.
Prerequisites: PHY 101 and MAT 103.
A study of force systems and their action on rigid bodies at rest. Center of gravity, moments of inertia, etc., as applied to architecture and engineering.

376—**Structures II.** Three hours. Winter.
Prerequisites: PHY 101 and MAT 103.
Analysis of fundamental structural principles, and the application of mathematics to structural theory.

377—**Structures III.** Three hours. Spring.
Prerequisite: ITE 376.
Study of shear and bending moments, torsion, deflection, design of beams, columns, trusses, struts, etc.

392—**Architectural Landscaping.** Three hours. Spring.
A study of elements and principles as related to site planning and outside environment.

393—**Architectural Rendering.** Three hours. Fall, Summer.
Six hours per week.
The visual expression of architectural principles and structures. Will include perspectives, shades, shadows, colors, etc.

394—**Office Practice and Specifications.** Three hours. Winter.
The study of client and contractor relationship, office management and legal requirements, contracts, bids and specifications.

395—**Surveying.** Three hours. Spring, Summer.
Six hours per week.

Theory and practice in use of instruments for measuring distances, angles, etc., as used in surveying.

400—**School Shop Planning and Equipment Selection.** Three hours. Fall.

A study of shop layout and equipment selection and placement.

401—**Shop Care and Management.** Three hours. Winter.

A study of organization and management as it relates to students, equipment, tools, materials, etc., and to upkeep and repair of shops.

402—**History and Philosophy of Industrial Arts.** Three hours. Winter.

Basic understanding of the underlying foundations and principles, and the early day leaders and movements in industrial arts education.

403—**Occupational Analysis and Course Construction.** Three hours. As needed.

Techniques and procedures in analyzing occupations into their basic elements and arranging these elements for instructional purposes.

404—**Problems of the Coordinator.** Three hours. Summer and as needed.

A study of problems, procedures, and techniques in the operation of part-time cooperative education programs.

420—**Industrial Materials Testing.** Three hours. Winter, Spring.

Six hours per week.

A systematic study of common industrial materials, their properties and applications through experiments and research.

421—**Power Transmissions.** Three hours. Winter.

A study of mechanical, hydraulic, pneumatic, and electrical power amplification and transmission.

431—**Principles of Trade and Industrial Teaching.** Three hours. Summer, and as needed.

Job and lesson planning, motivation of students, evaluative devices, etc., as they apply to trade and industrial teaching.

432—**Problems of Adult Education.** Three hours. As needed.

A study of the problems and procedures involved in organizing and operating classes and programs for adult learners.

433—**Curriculum Construction for Cooperative and Adult Vocational Classes.** Three hours. As needed.

Objectives, selection of course content, arrangement and techniques of teaching in the part-time cooperative and evening programs.

434—**Occupational Surveys.** Three hours. As needed.

A study of problems, methods, and procedures involved in planning and conducting occupational surveys for educational purposes.

435—**Instructional Materials for Industrial Education.** Three hours. Summer.

Identification, selection, development, and use of the instructional aids and materials as they apply in vocational and technical education.

436—**Curriculum Construction for Vocational Technical Education.** Three hours. As needed.

Principles, practices, and techniques in planning and establishing a program or class in vocational technical education.

451—**Architectural Design IV.** Three hours. Fall, Summer.

Six hours per week.

Prerequisite: ITE 353.

Design problems related to office buildings and stores.

452—**Architectural Design V.** Three hours. Winter, Summer.

Six hours per week.

Prerequisite: ITE 451.

Design problems related to churches and religious education buildings.

453—**Architectural Design VI.** Three hours. Spring, Summer.
Six hours per week.
Prerequisite: ITE 452.
Design problems related to doctor's offices, medical clinics, and hospitals.

454—**Architectural Design VII.** Three hours. Fall.
Six hours per week.
Prerequisite: ITE 453.
Design problems related to school buildings; including administrative offices, academic classrooms, laboratories and shops.

455—**Architectural Design VIII.** Three hours. Winter.
Six hours per week.
Prerequisite: ITE 454.
Design problems related to shopping centers.

456—**Architectural Design IX.** Three hours. Spring.
Six hours per week.
Prerequisite: ITE 455.
Design problems related to campus, urban, and city planning.

480—**Foundations and Philosophy of Vocational-Technical Education.** Three hours. Summer, and as needed.
Objectives, principles, aims and organization of programs in schools and colleges.

481—**Testing and Evaluation in Technical Education.** Three hours. Spring, Summer.
Development and administration of teacher-made tests, evaluation and use of published tests, and the utilization of other evaluation devices to measure achievement.

482—**School Shop Safety.** Three hours. Fall, Summer.
Analysis of fundamentals of accident prevention and their application to school shop supervision and management.

492—**Industrial Special Problems.** One to three hours. As needed.
Prerequisite: Permission of chairman, and junior or senior standing.
To work out in the shop problems of special interest to the student. Will include library research, written reports, and a completed project.

JOURNALISM (JOU—212)

102—**Beginning Reporting.** Three hours. Quarterly.

140—**Elements of Photography.** Three hours. Fall, Spring.

300—**Journalism Laboratory.** One hour. (May be repeated.) Quarterly.

301—**Feature Writing.** Three hours. Spring, alternate years.

311—**Advanced Editing.** Three hours. Winter, alternate years.

313—**Newspaper Design and Make-up.** Three hours. Spring, alternate years.

315—**Editorial Writing.** Three hours. Spring.

331—**Print Media Advertising.** Three hours. Winter, alternate years.

340—**Photojournalism.** Three hours. Quarterly.

402—**Advanced Reporting.** Three hours. Fall, alternate years.

403—**Specialized Reporting.** Three hours. Winter, alternate years.

421—**Public Relations.** Three hours. Fall.

422—**Publicity Methods.** Three hours. Winter.

425—**Business and Professional Publications.** Three hours. Winter, alternate years.

428—**Public and Press Relations Management.** Three hours. Spring, alternate years.

440—**Advanced Press Photography.** Three hours. Spring.

450—**History of Journalism.** Three hours. Fall, alternate years.

460—**Law of the Press.** Three hours. Winter, alternate years.

470—**Newspaper Organization and Management.** Three hours. Fall, alternate years.

492—**Special Problems.** One to three hours.

LIBRARY SCIENCE (LS—170)

301—**Book Selection.** Three hours. Summer.

A general study of principles of selection and standards for evaluation of books, periodicals and other library materials; book publishers, series and editions; use of standard book selection aids.

302—**Books and Related Materials for Children.** Three hours. Winter, Summer.

A study of library materials and their uses for children of preschool age through the elementary grades; emphasis on the examination of both printed and audiovisual materials.

303—**Books and Related Materials for Young People.** Three hours. Spring, Summer.

A study of the reading needs and interests of adolescents with criteria for selecting books for the school library. Emphasis on a wide study of both books and allied materials.

415—**Organization and Administration of School Libraries I.** Three hours. Winter, Summer.

A study of the technical processes involved in organizing a library, circulation, classification and cataloguing; care of collection; maintenance of library materials, library quarters and equipment; finance; the acquisition of books and non-book materials.

416—**Organization and Administration of School Libraries II.** Three hours. As needed.

Continuation of LS 415.

NOTE: CIF 416 may be counted as library science. For description see Department of Research and Human Development.

427—**School Library Reference Materials I.** Three hours, Quarterly.

Required for the 28-hour program and above.

The study and evaluation of basic reference materials for school library use.

428—**School Library Reference Materials II.** Three hours. As needed.

Prerequisite: LS 427.

A study of the more specialized reference material, including bibliographic and government materials, lectures, and problems.

462—**Classification and Cataloguing I.** Three hours. Fall, Spring, Summer.

A study of the fundamental principles and methods of classification and cataloguing suitable for the average school library situation. Dewey Decimal Classification and simplified cataloguing with emphasis on the printed cards and other aids.

463—**Classification and Cataloguing II.** Three hours. As needed.

Prerequisite: LS 462.

Expansion of the principles and methods of classification and cataloguing with attention given to more advanced problems.

470—**Multi-Media Materials and Services.** Three hours. Quarterly.

Principles and methods of developing multi-media materials and

services in modern libraries. Emphasis is placed on the selection, evaluation, acquisitions, organization, storage, and utilization of multi-media in various types of libraries.

471—**Library Preparation and Production of Multi-Media Materials.** Three hours. As needed.

Fundamental techniques for design and production of multi-media materials for the purpose of using in the various libraries and media centers with emphasis on laboratory practice in the preparation and production of such materials.

472—**Administration and Supervision of School Media Centers.** Three hours. Summer.

Prerequisites: LS 415 and LS 470 or LS 471.

A survey of the current trend for media centers in the modern school system with special attention given to standards, planning, administration, personnel, facilities and equipment, materials, services, and management procedures of print and non-print materials.

489—**Practice Work.** Four hours. Quarterly.

Culmination course of majors in library science; to be taken with B.A. and B.S. non-teaching degrees. Experience in various phases of library work. Approximately 150 hours of laboratory work.

490—**School Library Problems.** Two or four hours. Quarterly.

Individual investigation of selected topics to be approved by department chairman.

491—**Library Administration Workshop.** Three hours. Summer.

An intensive workshop covering various problems of media center administration, with emphasis on current problems in school library media center practice. Conducted through the cooperative efforts of the Department of Library Science and the Mississippi State Department of Education. May be taken twice, but only three hours of LS 491 may count toward a library science major/minor, bachelor's degree, and A Certificate.

MANAGEMENT (MGT—620)

360—**Principles of Management.** Three hours. Quarterly.

Basic management concepts and principles applied to the functions of planning, organization, and control in business enterprise.

362—**Introduction to Industrial Management.** Three hours. Quarterly.

Prerequisite: MGT 360.

The basic principles and policies in the management of an industrial plant, covering such topics as plant location and layout, purchasing, materials handling, maintenance, and production control system.

364—**Personnel Management.** Three hours. Quarterly.

A course covering the concepts and tools of personnel management, with principal emphasis on the major task of procuring, developing, maintaining, and using an effective work force.

370—**Labor Law and Legislation.** Three hours. Quarterly.

Prerequisite: MGT 360.

A study of legislation and court decisions pertaining to labor relations. Special emphasis is given to the importance of legal principles involved in managerial decisions.

386—**Industrial Safety.** Three hours. Fall, Spring.

Prerequisite: MGT 362 or MGT 364.

A study of the nature, causes, and prevention of industrial accidents and occupational diseases and major legislation regarding industrial health and safety.

454—**Human Relations.** Three hours. Quarterly.

A study of individual and group interaction and behavior in the

business and industrial environment with emphasis on interpersonal and intergroup motivations and conflicts.

456—**Industrial Training.** Three hours. Fall, Winter.
Prerequisite: MGT 364.
A study of the methods, procedures, and psychology in planning and organizing effective in-service programs for employees and management.

464—**Motion and Time Study.** Three hours. Fall, Winter.
Prerequisites: MGT 362 and ECO 301 or CSS 200.
A course in the fundamentals of operation analysis, motion economy, micromotion techniques, time study, job standards, and fatigue and industrial efficiency.

466—**Production and Quality Control.** Three hours. Winter, Spring.
Prerequisites: MGT 362 and ECO 301 or CSS 200.
A study of problems in management as they relate to production and quality of output, with emphasis on statistical methods and other techniques to achieve acceptable quality in production at minimum cost.

468—**Wage and Salary Administration.** Three hours. Quarterly.
Prerequisite: MGT 360.
A study of wage and salary structures; preparation and use of job analyses, descriptions, and specifications; job evaluation, incentive systems, and individual wage determination; and wage surveys, fringe benefits, and merit rating systems.

472—**Collective Bargaining.** Three hours. Quarterly.
Prerequisite: MGT 370.
A study of practices, techniques, procedures, methods, and legal and administrative requirements of collective bargaining, with consideration of the points of view of the worker, the union, the employer, and the general public.

476—**Managerial Systems Analysis.** Three hours. Winter.
Prerequisites: MGT 464 and MGT 466.
An analysis of management systems and procedures techniques for improving managerial controls and reducing operating costs; includes a study of work measurement, forms control, Monte Carlo and queuing theories, and an introduction to electronic data processing concepts with management applications.

482—**Production Problems Seminar.** Three hours. Fall, Spring.
Prerequisite: Management major.
Special study of selected current problems in manufacturing production. A case approach to problems such as plant and warehouse location, selection and maintenance of equipment, product mix and quality, purchasing, and production controls.

484—**Problems in Personnel Administration.** Three hours. Fall, Winter, Spring.
Prerequisite: Management majors.
An application of the principles and techniques of personnel administration through the use of case analysis, incidents, and role playing.

485—**Administrative Policy and Decision Making.** Three hours. Quarterly.
Prerequisites: Senior standing and ACC 203, ECO 256, MGT 360, MKT 300, and FIN 389.
An integrated study of administrative processes at the overall management level covering the major fields of business administration.

MARKETING (MKT—625)

300—**Principles of Marketing.** Three hours. Quarterly.
A survey course designed to give a general understanding of marketing in present day society, the channels involved in the distribu-

tion of goods, the functions performed by the institutions and agencies in marketing.

322—**Marketing Problems.** Three hours. Fall, Winter, Spring.
An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology as applied to marketing.

330—**Salesmanship.** Three hours. Fall, Winter, Spring.
A study of the principles of persuasion as applied to the art of salesmanship.

342—**Principles of Retailing.** Three hours. Quarterly.
A survey course comprising an analysis of the factors underlying the successful operation of retail stores including location, stock arrangement, buying and selling, advertising and display, merchandise, planning and control, personnel management, and customer relations.

355—**Principles of Advertising.** Three hours. Quarterly.
A study of methods used to disseminate among groups information concerning goods and services, the sales promotional aspects of such dissemination, and the evaluation techniques available.

365—**Consumer Behavior.** Three hours. Fall, Winter, Spring.
Prerequisite: MKT 300.
Analysis of human behavior in the market place. Special emphasis is placed on behavioral patterns, motivational research, and communication.

380—**Industrial Marketing.** Three hours. Winter, Summer.
Prerequisite: MKT 300.
A study of the special problems involved in marketing materials, equipment, and supplies to manufacturers, other business firms, and institutions that use the goods in further production; determination of methods and policies appropriate to the goods and the marketing situations.

424—**Marketing Research.** Three hours. Quarterly.
Prerequisite: ECO 302.
A study of principles and techniques used in marketing research to solve factual and qualitative marketing problems.

428—**Marketing Management.** Three hours. Quarterly.
A comprehensive course designed to synthesize the more specialized marketing knowledge of the student. The interrelation of all marketing activities in reaching the firm's objectives is emphasized through the study of case histories.

430—**Sales Management.** Three hours. Winter, Summer.
Prerequisite: MKT 330.
A study of the principles involved in the selection, training, and management of salesmen. Also considered is the application of these principles in order to make the selling function more efficient.

442—**Advanced Retailing.** Three hours. Spring.
Prerequisite: MKT 342.
A study of the various operations performed in a retail store. The modified case method of instruction is used.

455—**Advanced Advertising.** Three hours. Fall, Spring.
Prerequisite: MKT 355.
A study of principles and techniques of advertising presentation adaptable to mass communication media and direct advertising.

458—**Promotion Development.** Three hours. Winter.
Prerequisite: MKT 355 or consent of instructor.
A study of the relationship of the business organization to the various interest groups which affect its promotional results, and the policies and procedures utilized in connection with such groups.

495—**International Marketing.** Three hours. Winter.
Prerequisites: MKT 300, MGT 360.
A study of the economic, political, and cultural aspects of international business operations and their synergistic effects upon both macro and micro marketing systems.

MARRIAGE AND FAMILY LIFE (M&FL—830)

150—**Social Competencies.** Two hours. Quarterly.
Open to all students.
A course designed to help the student develop competencies in social interaction.

151—**Personal Development, Dating, and Courtship.** Three hours. Spring.
Identifying student interests and problems arising out of college life; establishing satisfying relationships in intellectual, social, and emotional environment of college living; study personal social policies influencing dating and courtship.

351—**Marriage and Family Living.** Three hours. Quarterly.
Prerequisite: Junior or senior standing.
A course designed to give better understanding of the factors that contribute to success and happiness in marriage. Preparation for marriage; marriage adjustment; family functions and situations; factors making for successful family living.

492—**Special Problem in Marriage and Family Living.** One to four hours. As needed.
Prerequisites: MFL 351 and consent of instructor.

MATHEMATICS (MAT—350)

100—**Basic Mathematics.** Three hours. Quarterly.
Systems of numeration, mathematical systems, elementary algebra, probability, logic.
(A student who has mastered two years of high school mathematics should elect courses numbered higher in the sequel in lieu of MAT 100.)

101—**College Algebra.** Three hours. Quarterly.
Exponents and radicals, operations with polynomials, factoring, functions and graphs, linear and quadratic equations and inequalities.
(A student who has mastered two years of algebra in high school may proceed to courses for which MAT 101 is a prerequisite.)

103—**Plane Trigonometry.** Three hours. Quarterly.
Trigonometric functions and their inverses, trigonometric identities and equations, solutions of triangles, logarithms.
(A student who has mastered the equivalent of one semester of trigonometry in high school may proceed to courses for which MAT 103 is a prerequisite.)

112—**Mathematics for Business and Social Sciences.** Three hours. Quarterly.
Prerequisite: MAT 101.
Sets, mathematical systems, distance and midpoint formulas, relations, functions, graphs, logarithms, sequences, interest, equations, systems of equations, matrices, inequalities, linear programming: with emphasis on applications to business and social sciences.

The above courses are open only to freshmen. Other students desiring to take these courses must have approval from the chairman of the Mathematics Department.

171—**Analytic Geometry.** Three hours. Quarterly.
Prerequisite: MAT 103 or high school trigonometry.
Equations of lines, conic sections, rectangular and polar coordinates, translation and rotation of axes.

210—**Mathematics for Elementary Teachers I.** Three hours. Quarterly.
The structure of the real number system and its major subsystems: the natural numbers, the integers, and the rational numbers.
(Open only to elementary and special education majors. A student cannot receive credit for both MAT 100 and MAT 210.)

276—**Calculus I.** Three hours. Quarterly.
Corequisite: MAT 171 or its equivalent.
Functions, limits, differentiation theory, applications of the derivative, introduction to integration theory.

277—**Calculus II.** Three hours. Quarterly.
Integration theory with applications, differentiation and integration of transcendental functions, advanced methods of integration.

310—**Mathematics for Elementary Teachers II.** Three hours. Quarterly.
Prerequisite: MAT 210.
The basic concepts of algebra and informal geometry.
(Open only to elementary and special education majors.)

312—**Mathematics for Management and Economics.** Three hours. As needed.
Prerequisite: MAT 112.
Introduction to linear programming, elementary functions, differential and integral calculus with applications.
(A student who receives credit for at least one of the calculus courses, MAT 276, 277, 378, 379, cannot use this course to satisfy any degree requirements.)

326—**Linear Algebra I.** Three hours. Quarterly.
Prerequisites: MAT 171 and MAT 276.
Vector spaces, systems of linear equations, linear transformations, matrices, inner products.

341—**Foundations of Mathematics.** Three hours. Quarterly.
Prerequisite: MAT 171.
Logic set theory, relations, functions, cardinal numbers.

378—**Calculus III.** Three hours. Quarterly.
Prerequisite: MAT 277.
Improper integrals, numerical methods of integration, coordinate systems, parametric equations, vectors, vector functions, differentiation of vector functions, partial differentiation.

379—**Calculus IV.** Three hours. Quarterly.
Prerequisite: MAT 378.
Partial differentiation, multiple integrals, infinite series.

405—**Introduction to Differential Equations I.** Three hours. Quarterly.
Corequisite: MAT 379.
Linear ordinary differential equations with applications to physics, chemistry, and engineering, an introduction to power series solutions.

410—**Mathematics for Teachers of Junior High School Mathematics.** Three hours. Winter, Summer.
Introduction to numbers and infinite sets, geometry, non-Euclidean geometry, coordinate geometry, trigonometry, functions, probability, statistics, nature of mathematics.
(Open only to elementary and special education majors or as an elective for mathematics majors.)

411—**Vector Analysis.** Three hours. Fall, Spring.
Prerequisite: MAT 379.
Vector algebra, differentiation of vector valued functions, analysis of space curves, scalar and vector field theory, line and surface integration with introduction to the divergence theorem, Green's theorem, and Stoke's theorem.

415—**Introduction to Differential Equations II.** Three hours. Winter.
Prerequisite: MAT 405.
Homogeneous and nonhomogeneous systems of linear differential equations, characteristic equations, operator methods, methods of approximating solutions, application of Laplace transforms to differential equations.

417—**Partial Differential Equations.** Three hours. Spring.
Prerequisites: MAT 405 and MAT 411.
Integrability conditions, differential geometry, quasilinear equations, linear equations, applications to physics, classifications of second order equations and canonical forms, the method of separation of variables.

418—**Linear Programming.** Three hours. As needed.
Prerequisite: MAT 326.
Convex sets, linear inequalities, general linear programming problems, extreme-point solutions, simplex computational procedure, applications.

420—**Statistics and Probability.** Three hours. As needed.
Prerequisite: MAT 341.
Sets, permutations, combinations, binomial and multinomial theorems, mathematical induction, graphic methods, basic statistical concepts.

421—**Number Theory.** Three hours. Winter, Summer.
Prerequisite: MAT 341.
Mathematical induction, the well-ordering principle, the division algorithm, the Euclidean algorithm, the Fundamental Theorem of Arithmetic, number theoretic functions, the theory of congruences.

423—**Modern Algebra I.** Three hours. Fall, Spring.
Prerequisite: MAT 341.
A development of the systems of integers, rational numbers, real numbers and complex numbers based on the properties of the natural numbers with emphasis on their structures.

424—**Modern Algebra II.** Three hours. Winter.
Prerequisite: MAT 423.
Subgroups, normal subgroups, quotient groups, permutation groups, homomorphisms, and automorphisms of groups, Cayley's theorem.

425—**Fourier Series.** Three hours. As needed.
Prerequisites: MAT 326 and MAT 405.
Orthogonal functions, Fourier series, convergence of Fourier series, applications.

426—**Linear Algebra II.** Three hours. Fall, Spring.
Prerequisite: MAT 326.
Determinants, polynomials, complex numbers, single linear transformations, orthogonal, unitary and symmetric linear transformations.

430—**Introduction to Applied Mathematics.** Three hours. As needed.
Prerequisites: MAT 326, MAT 405, and CSS 240.
Applications of the theory of ordinary and partial differential equations to dynamical systems, electrical systems, heat transfer problems, and diffusion problems.
(A mathematics major may take this course only as an elective. It is not part of the requirements for a major.)

435—**Laplace Transform.** Three hours. As needed.
Corequisite: MAT 405.
Laplace transforms, inverse transforms, the convolution theorem, differentiation and integration of transforms, applications to ordinary differential equations and linear partial differential equations.

436—**Theory of Functions of a Complex Variable I.** Three hours. Winter, Summer.
Prerequisite: MAT 379.
Complex numbers, functions of a complex variable, limits, continuity, differentiation, analytic functions, branch points and branches of multivalued functions, contour integration, power series, Taylor's theorem, Laurent's theorem.

441—**Advanced Calculus I.** Three hours. Fall.
Prerequisites: MAT 379 and MAT 341.
Point set theory, sequences, continuity, uniform continuity, properties of continuous functions, limits, mean value theorems, L'Hospital's rule.

442—**Advanced Calculus II.** Three hours. Winter.
Prerequisite: MAT 441.
Riemann integration, Taylor's theorem, improper integrals, infinite series, uniform convergence.

443—**Advanced Calculus III.** Three hours. Spring.
Prerequisite: MAT 442.
Directional derivatives, partial derivatives, differentials, inverse functions, implicit function theorems, applications to geometry.

460—**Numerical Analysis I.** Three hours. As needed.
Prerequisites: MAT 326, MAT 379, CSS 240.
Methods of solving equations and systems of equations, error analysis, difference equations.

461—**Numerical Analysis II.** Three hours. As needed.
Prerequisites: MAT 405, MAT 460, and CSS 340.
The interpolating polynomial, numerical differentiation and integration, numerical solutions of differential equations, propagation of round-off error.

470—**Geometry.** Three hours. Fall, Spring.
Prerequisites: Secondary school geometry and MAT 341.
Essentially Euclidean geometry from a modern approach with brief mention of historical topics and some non-Euclidean geometries.

473—**Metric Spaces.** Three hours. As needed.
Prerequisite: MAT 341.
Continuity, Hausdorff and countability axioms, product topologies, Euclidean spaces, connectedness, compactness, Heine-Borel theorem, Bolzano-Weierstrass theorem.

475—**General Topology.** Three hours. As needed.
Prerequisites: MAT 341 and MAT 378.
General topological spaces, bases and subbases, continuity, connectedness, separation axioms, countability axioms, compactness, metrizability.

476—**Algebraic Topology.** Three hours. As needed.
Prerequisites: MAT 424 and MAT 475.
The fundamental group, homology and cohomology groups, simplicial complexes.

494—**Undergraduate Mathematics Seminar I, II.** One semester hour each. As needed.
Prerequisite: Consent of the instructor.
Topics of current interest in mathematics and applications of mathematics.

MEDICAL TECHNOLOGY (MTC—354)

400—**Orientation and Ethics. Credit.** Fall, Spring.
Twelve lecture hours per quarter.
An introductory period designed to acquaint the student with the general principles of the laboratory such as professional ethics, rules, regulations, and his role in the field of health services.

401—**Urinalysis.** One hour. Winter, Summer.
Twelve hours of lecture and forty hours of laboratory per quarter.
Lecture and laboratory analysis of the physical, chemical, and microscopic examination of urine are included in addition to diseases caused by abnormal urine constituents and the understanding of kidney function in the diseased state.

402—**Clinical Bacteriology.** Four hours. Winter, Summer.
Thirty-six hours of lecture and sixty hours of laboratory per quarter.
The study of pathogenic bacteria. Emphasis is placed upon laboratory methods of isolation, identification, and antimicrobial sensitivity testing of these etiologic agents of disease.

403—**Clinical Mycology.** One hour. Winter, Summer.
Eleven hours of lecture and thirty hours of laboratory per quarter.
The study of pathogenic fungi. Emphasis is placed upon laboratory methods of isolation and identification.

404—**Clinical Virology.** One hour. Winter, Summer.
Five hours of lecture and thirty hours of laboratory per quarter.
The study of pathogenic viruses. Emphasis is placed upon laboratory methods of isolation and identification of these etiologic agents of disease.

405—**Clinical Parasitology I.** One hour. Winter, Summer.
Twelve hours of lecture and thirty hours of laboratory per quarter.
A lecture and laboratory course on the classification and identification of parasites of pathologic importance to man.

406—**Hematology I.** Six hours. Winter, Summer.
Thirty-seven hours of lecture and eighty hours of laboratory per quarter.
This course includes the study of the blood cells and their abnormalities. Included is the preparation and staining of peripheral smears, complete blood counts, coagulation studies, and the identification of factors involved in bleeding disorders. Principles and practice of quality control and instrumentation are also included.

407—**Clinical Serology I.** One hour. Fall, Spring.
Sixteen hours of lecture and forty hours of laboratory per quarter.
A lecture and laboratory course is serology oriented towards the clinical application of this field of immunology. Included is an introduction to serologic testing, theory, and practical experience involving antigen-antibody reactions in relation to disease in man.

408—**Blood Bank I.** Three hours. Fall, Spring.
Twenty-two hours of lecture and eighty hours of laboratory per quarter.
Lecture and laboratory exercises in the selection and preservation of properly matched blood for transfusions including the selection, pretesting, and bleeding of donors, the processing of blood for transfusions, screening for and identifying irregular antibodies, cross match testing, and the principles and procedures used in blood component therapy.

409—**Clinical Chemistry I.** Seven hours. Fall, Spring.
Fifty-two hours lecture and one hundred hours of laboratory per quarter.
The qualitative and quantitative chemical analysis of blood, urine, cerebrospinal fluid, and other body fluids.

410—**Clinical Isotope Methodology.** One hour. Fall, Spring.
Five hours of lecture and twenty hours of laboratory per quarter.
An introduction to the handling and use of radioactive materials as they are used in the clinical laboratory.

411—**Cytogenetics.** One hour. Fall, Spring.
Six lecture hours and twenty laboratory hours per quarter.
A course of study designed to review the chromosomal bases of inheritance including reproduction and cell division, the human chromosome complement and fundamentals of medical cytogenetics.

412—**Introduction to Pathology.** One hour. Fall, Spring.
Thirteen lecture hours per quarter.
This course introduces to the student an awareness of the physical and chemical alterations which take place in the human body in the diseased state.

451—**Blood Collection and Urinalysis.** Two hours. Quarterly.
Eighty hours of laboratory per quarter.
Clinical training at one of the affiliated hospital laboratories.

452—**Clinical Microbiology.** Four hours. Quarterly.
One hundred and sixty hours of laboratory per quarter.
Clinical training at one of the affiliated hospital laboratories.

455—**Clinical Parasitology II.** Two hours. Quarterly.
Eighty hours of laboratory per quarter.
Clinical training at one of the affiliated hospital laboratories.

456—**Hematology II.** Five hours. Quarterly.
Two hundred hours of laboratory per quarter.
Clinical training at one of the affiliated hospital laboratories.

457—**Clinical Serology II.** Two hours. Quarterly.
Eighty hours of laboratory per quarter.
Clinical training at one of the affiliated hospital laboratories.

458—**Blood Bank II.** Four hours. Quarterly.
One hundred and sixty hours of laboratory per quarter.
Clinical training at one of the affiliated hospital laboratories.

459—**Clinical Chemistry II.** Seven hours. Quarterly.
Two hundred and eighty hours of laboratory per quarter.
Clinical training at one of the affiliated hospital laboratories.

492—**Special Problems in Medical Technology I, II, III, IV.** Two hours each. Quarterly.
Individuals will be assigned some specific clinical problem in medical technology to investigate under faculty direction. Credit will be determined by the quality of work done, varying from two to a maximum of eight hours.

MICROBIOLOGY (MIC—310)

101—**General Microbiology.** Three hours. Quarterly.
Two hours lecture and four hours laboratory per week.
Introduction to basic characteristics of microorganisms.

301—**Advanced General Microbiology.** Three hours. Quarterly.
Two hours lecture and four hours laboratory per week.
Prerequisites: MIC 101 or BIO 101 and General Chemistry.
Current concepts in microbiology. Laboratory devoted to advanced techniques.

401—**Microorganisms in Health and Disease I.** Three hours. Fall, Summer.
Four hours lecture.
Prerequisite: Junior or senior standing.
Course not designed for majors in the College of Science.
A comprehensive survey of the bacteria, viruses, rickettsiae,

chlamydiae, yeasts, molds, protozoa, and other human parasites; their relationship to man and his environment.

402—**Microorganisms in Health and Disease II.** Three hours. Winter, Summer.

A continuation of MIC 401.

A study of immunology, serology, and pathogenic microorganisms.

405—**An Introduction to Clinical Instrumentation.** Three hours. Winter, Spring, Summer.

This course is particularly designed for the advanced medical technology students, to familiarize them with instrumental procedures commonly encountered in modern medical technology. Particular emphasis will be placed on spectrophotometry (visible and UV determination), flame photometry, and fluorescent antibody techniques.

408—**Advanced Microbiological Techniques.** Three hours. Spring, alternate years.

Two hours lecture and four hours laboratory per week.

Prerequisites: MIC 301, organic chemistry, or consent of instructor.

Special emphasis is placed on microbiological techniques beyond the scope of MIC 301.

411—**Pathogenic Microbiology.** Three hours. Fall, Summer.

Two hours lecture and four hours laboratory per week.

Prerequisites: MIC 301 and consent of instructor.

Schemes for isolation and identification of major groups of disease producing microorganisms.

412—**Advanced Pathogenic Microbiology.** Three hours. Winter, Summer.

Prerequisite: MIC 411.

Continuation of MIC 411 on an advanced level; schemes for isolation and identification of major groups of disease producing organisms.

421—**Virology and Tissue Culture.** Three hours. Winter, alternate years.

Two hours lecture and four hours laboratory per week.

Prerequisite: MIC 301.

Survey of viruses and viral classification, including viral diseases, involving tissue culture techniques as applied to virology.

441—**Immunology and Serology.** Three hours. Spring.

Two hours lecture and four hours laboratory per week.

Prerequisite: MIC 412.

Studies of infection, resistance, types of immunity, hypersensitivity, and major techniques of diagnostic immunological reactions.

455—**Microbial Physiology.** Three hours. Spring, alternate years.

Four hours lecture per week.

Prerequisite: MIC 301.

Studies of the microorganisms response to the environment by means of adaptive control mechanisms. Roles of transcription and translation of genetic information, along with replication of DNA considered.

471—**Microbiology of Water and Sewage.** Three hours. Spring, alternate years.

Two hours lecture and four hours labortaory per week.

Prerequisites: MIC 301, organic chemistry.

Control of pure water supply; sources and types of pollution and control of sewage disposal.

481—**Soil Microbiology.** Three hours. Fall, alternate years.

Two hours lecture and four hours laboratory per week.

Prerequisites: MIC 301, organic chemistry, or consent of instructor.

Study of soil microflora, emphasis on nitrogen-carbon cycle of environment.

492—**Microbiological Problems, I, II, III.** Two hours each.
Given only by special arrangement.
A course in special techniques, designed for majors with a need for certain basic microbiological techniques as tools for future research.

MILITARY SCIENCE (MS—276)

Basic Military Science

111—**Introduction to ROTC.** One hour. Fall, Winter.

211—**Fundamentals of Military Operations I.** Two hours. Winter.

212—**Fundamentals of Military Operations II.** Two hours. Spring.

Advanced Military Science

301—**Leadership Development.** Three hours. Fall.

302—**Small Unit Tactics and Communications.** Three hours. Winter.

303—**Military Teaching Principles.** Three hours. Spring.

401—**Theory and Dynamics of the Military Team I.** Two hours. Fall.

402—**Theory and Dynamics of the Military Team II.** Two hours. Winter.

403—**Seminar in Leadership and Management.** Two hours. Spring.

MUSIC (MUS—675)

100—**Introduction to Music.** Three hours. Fall.
An introductory course in the fundamentals of music theory. Open to all University students. May not be applied toward a degree in music.

101-102—**Music Theory.** Three hours each. Sequence offered yearly.
Prerequisite: A knowledge of music notation.
Scales, intervals, and part-writing, using triads, the dominant seventh chord, non-harmonic tones and modulation. Correlated keyboard harmony and dictation. Sight-singing in bass and treble clefs.

131—**Survey of Music Literature.** Three hours. Quarterly.
An introductory course dealing with the major areas of music history style periods.

165—**The Enjoyment of Music.** Three hours. Winter.
Study of the basic elements of music necessary for intelligent listening and appreciation; survey of the history of music in its social and cultural context.
This course may not be applied toward a Bachelor of Music or Bachelor of Music Education degree, or a music minor.

201-202—**Advanced Music Theory.** Three hours each. Sequence offered yearly.
Prerequisites: MUS 101, 102.
Part-writing, including secondary seventh chords, borrowed chords, altered chords, and foreign modulation. Correlated keyboard harmony, dictation, and sight-singing.

231-232-233—**History of Music.** Two hours each. Sequence offered yearly.
Prerequisites: MUS 131 and MUS 101, 102.
Music in Greece and Rome; rise and development of liturgy; the Polyphonic Age; rise of opera, oratorio and concerto; the periods of Bach and Handel, Haydn and Mozart; Beethoven; the Romantic era; rise of contemporary styles; American musical developments.

241—**Diction.** Two hours. Spring.
Prerequisite: Freshman Voice.
The correct use and pronunciation of English, French, Italian, and German as applied to vocal literature.

301—**Twentieth Century Harmony.** Three hours. Winter.
Prerequisites: MUS 101, 102, 201, 202.
An investigation into the various styles and harmonic elements of 20th Century music coupled with practical applications.

302—**Form and Aanalysis.** Three hours. Quarterly.
Prerequisites: MUS 201, 202, 301.
Music of various periods is analyzed formally, harmonically, and contrapuntally.

311—**Composition.** Two hours. Fall, Spring.
Prerequisites: MUS 301, 302.
Composition in the smaller forms. Contemporary and stylistic techniques. Steps in the preparation of music for publication are included.

321-322—**Counterpoint.** Two hours each. Sequence offered yearly.
Prerequisites: MUS 201, 202.
Two, three, and four-voice contrapuntal writing in the style of Palestrina (MUS 321) and/or Bach (MUS 322).

351—**History of Church Music.** Three hours. Fall.
History of Christian Church music, with emphasis on the use of literature; history of organ music with emphasis on its use in the church service; and history of choral music with emphasis on its use in the church service.

360—**Stylistic Developments in Jazz.** Three hours. Fall.
Study of the development of jazz idioms. Includes elements of jazz history leading to study of complex idioms such as electronics, experimentation, and third stream.

375—**Techniques of Scoring for Jazz Ensembles.** Two hours.
Study in composing and arranging music for jazz ensembles.

367—**Improvisation.** One hour.
Study and performance of jazz improvisation.

401—**Instrumentation.** Three hours. Quarterly.
Prerequisites: MUS 201, 202, 301.
A study of the instruments of the band and orchestra. Scoring for instrumental and vocal combinations.

420—**Acoustics.** Three hours. Spring, 1973-74, and alternate years.
An investigation into the nature and perception of musical sounds designed to lead to a better understanding of problems of tone production, intonation, and allied musical aspects.

431—**History of Opera.** Three hours. Winter, 1973-74, and alternate years.
The history of the musical theatre from Greek drama to the present. Open to non-music majors with consent of instructor.

432—**American Music.** Three hours. Summer, 1973-74, and alternate years.
A study of the development of music in North America with particular emphasis in three areas: (1) European heritage; (2) jazz; (3) composers of the twentieth century whose idioms evidence strong roots in American culture. Open to non-music majors with consent of instructor.

433—**20th Century Music.** Three hours. Winter, 1973-74, and alternate years.
Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor.

434—**Ancient, Medieval, and Renaissance Music.** Three hours. Spring, 1973-74, and alternate years.
A study of the rise of music in the ancient world, the beginning of western music and of polyphony with particular attention to the music of the Burgundians through Gesualdo.

435—**Baroque Music.** Three hours. Summer, 1974-75, and alternate years.

The development of musical styles and forms from Monteverdi through J. S. Bach.

436—**18th Century Music.** Three hours. Summer, 1973-74, and alternate years.

The development of classical styles and forms, with particular emphasis on **style gallant,** the Mannheim school, **Empfindsamer Stil,** and the Viennese classicists.

437—**19th Century Music.** Three hours. Fall, 1973-74, and alternate years.

The development of musical romanticism, with emphasis on the transformation and expansion of classical forms and the appearance of new formal and stylistic concepts.

440-441—**Vocal Literature.** Two hours each. Sequence offered yearly.

Required of all senior voice majors.

442-443—**Piano Literature.** Two hours each. Sequence offered yearly.

Required of all senior piano majors.

444-445—**Organ Literature.** Two hours each. Sequence offered yearly.

Required of all organ majors.

446-447—**Instrumental Literature.** Two hours each. Sequence offered yearly.

Required of all senior instrumental majors.

448-449—**Choral Literature.** Two hours each. Sequence offered yearly.

A survey of accompanied and unaccompanied choral music from Gregorian chant to the present. Open to non-music majors with consent of instructor.

450—**Symphonic Literature.** Three hours. Summer, 1974-75, and alternate years.

The history and literature of the symphony orchestra from 1600 to the present. Open to non-music majors with consent of instructor.

451—**Chamber Music Literature.** Three hours. Fall, 1973-74.

A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

455—**Arranging for the Marching Band.** Two hours. Fall.

A course designed to provide the beginning arranger with the essential techniques of scoring for the outdoor band, with special emphasis on arranging football shows.

456—**Choral Arranging.** Two hours. Winter.

Basic concepts and techniques of scoring for voices, with emphasis on arranging rather than on original compositions for chorus.

459—**Church Music Colloquium.** Three hours. Spring.

Philosophies of church music as well as the administration, liturgies, and related materials will be studied.

462—**Hymnology.** Three hours. Winter.

The history of the Christian hymn from its root to present-day forms.

467, 468—**Improvisation.** One hour each. Winter, Spring.

Study and performances of jazz.

470—**Organization and Management of Jazz Ensembles.** Three hours. Spring, 1973-74, and alternate years.

Studies in general management of commercial and academically oriented jazz groups, availability of arrangements and compositions, copyright laws, contracts, and rehearsal techniques.

475, 476—**Advanced Techniques of Scoring for Jazz Ensembles.** Two hours each. Sequence offered yearly.

MUSIC EDUCATION (MED—680)

221, 222—**String Class.** One hour each. Sequence offered yearly.
Practical class instruction on violin, viola, violoncello, and double bass; correct playing position for each instrument; problems of beginning string students; material for public school classes.

301—**Voice Class.** Two hours. Quarterly.
A course designed to give a general knowledge of the principles of good singing. Primarily for instrumental and piano majors, but open to non-music majors with consent of instructor.

311—**Elementary Music Methods.** Three hours. Fall, Winter.
A course dealing with music education programs for the elementary student. Emphasis is placed on the total curriculum, including instrumental, choral and general music. Goals and objectives for primary and upper grade music experiences are considered, with critical consideration to materials and literature at these levels.

312—**Secondary Music Methods.** Three hours. Winter, Spring.
Prerequisite: MED 311.
Detailed consideration of the secondary music program. Attention is given to the development of a balanced curriculum based on current philosophical and psychological foundations of music education.

321—**String Methods.** One hour. Fall.
Practical string instruction on violin, viola, violoncello, and double bass. For music students not following the curriculum in instrumental music education.

322—**Woodwind Methods.** One hour. Winter.
Woodwind instruction of a practical nature on clarinet, flute, oboe, bassoon, and saxophone. For music students not following the curriculum in instrumental music education.

323—**Brass Methods.** One hour. Spring.
Practical instruction on trumpet, horn, baritone, trombone, and tuba. For music students not following the curriculum in instrumental music education.

331-332-333—**Conducting.** One hour each. Sequence offered yearly.
Prerequisites: MUS 201, 202, or consent of instructor.
Techniques of choral and instrumental conducting.

361—**Music for Elementary Teachers I.** Three hours. Quarterly.
A laboratory course, designed to provide students with a basic knowledge of principles of notation, basic rhythmics, singing, reading of music, and the use of the autoharp and piano as accompaniment instruments. May not be applied to a Bachelor of Music or a Bachelor of Music Education degree.

362—**Music for Elementary Teachers II.** Three hours. Quarterly.
Prerequisite: MED 361.
Application of the fundamental skills of MED 361 in the study and selection of music materials and methods of presentation for the elementary school. May not be applied toward a Bachelor of Music or a Bachelor of Music Education degree.

382—**Recreational Music.** Three hours. Winter.
Prerequisites: MED 361 or consent of instructor based upon a successful proficiency examination.
Materials and techniques useful in developing recreational music activities including vocal and instrumental ensembles, rhythm bands, musical games, and community singing.

390—**Piano Workshop** Two hours. Summer.
A course designed to meet the needs of the piano teacher, including a survey of standard materials together with a presentation of modern

teaching methods. Each year the workshop utilizes the services of a nationally known guest consultant and lecturer.

391—**Instrumental Workshop.** Two hours. Summer.

A survey and analysis of problems relating to instrumental music education through lecture, performance, and discussion with nationally recognized authorities in the field of instrumental music education.

392—**Choral Workshop.** Two hours. Summer.

An examination, study, and analysis of choral techniques and procedures. A thorough study of literature in chronological order from early classics through modern and new publications. Organized and designed to meet the need of teachers now actively participating in professional work or anticipating entering the profession immediately.

393—**Elementary Music Workshop.** Two hours. Summer.

Intensive examination of current problems, trends, and materials in the field of elementary music education, with outstanding guest consultants leading the lecture, discussion, and demonstration sessions.

411—**Choral Methods and Curriculum Problems.** Three hours. Spring.

Organization and administration of choral activities in secondary schools, problems of rehearsal, interrelationships between all music activities; investigation of values and trends in American music education; the place of music in the total secondary school curriculum.

412—**Instrumental Methods and Curriculum Problems.** Three hours. Spring.

Techniques of developing and maintaining successful bands, orchestras, and instrumental ensembles; research by students; emphasis on current values and trends in instrumental music education.

421-422—**Woodwind Class.** One hour each. Winter, Spring.

A study of basic and advanced techniques in the pedagogy of all major woodwind instruments. Emphasis on problems involved in teaching beginning students.

424—**Instrumental Repair.** Three hours.

Topic 1—Organ Design and Repair. Fall
Topic 2—Piano Tuning. Summer
Topic 3—String and Wind Instrument Repair. Summer

425-426—**Brass Class.** One hour each. Fall, Winter.

A study of basic and advanced techniques in the pedagogy of all brass instruments. Emphasis on problems involved in teaching beginning students.

*427-428—**Percussion Class.** One hour each. Fall, Winter.

Percussion texts, techniques, and pedagogy; includes presentations of snare drum, bass drum, timpani, cymbals, mallet keyboards, and accessory equipment.

440—**Music Education in the Elementary Schools.** Three hours. Spring.

Prerequisites: MED 311, 312.

An in-depth course which examines music education programs in upper and lower elementary grades. Emphasis is placed on the teaching of rhythmic, harmonic and melodic understanding to elementary students. A critical examination of current techniques and methods is undertaken. Further attention is given to practical keyboard harmony and expressive singing.

450-451—**Vocal Pedagogy.** Two hours each. Fall, Winter.

Comparison of pedagogical concepts; study of vocal production problems and anatomy of the vocal tract.

452-453—**Piano Pedagogy.** Two hours each. Fall, Winter.

Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults.

454-455—**Organ Pedagogy.** Two hours each. Required of all senior organ majors. Fall, Winter.

456-457—**String Pedagogy.** Two hours each. Fall, Winter.
Required of all senior string majors.

458-459—**Wind Pedagogy.** Two hours each. Fall, Winter.
Required of all senior wind majors.

490—**Piano Workshop.** Two hours. Summer.
A continuation of MED 390.

491—**Instrumental Workshop.** Two hours. Summer.
A continuation of MED 391.

492—**Choral Workshop.** Two hours. Summer.
A continuation of MED 392.

493—**Elementary Music Workshop.** Two hours. Summer.
A continuation of MED 393.

*Percussion majors may substitute a brass, string, or woodwind minor instrument for MED 427.

NURSING (NSG—070)

120—**Social Focus in Nursing.** Two hours. Fall.
One theory period and two laboratory periods per week.

121—**Socio-Cultural Processes in Nursing.** Two hours. Winter.
One theory period and two laboratory periods per week.

122—**Bio-Physio Processes in Nursing.** Two hours. Spring.
One theory period and two laboratory periods per week.

150—**Orientation to Nursing Concepts and Skills.** Six hours. Fall, Summer.
Three theory periods and six laboratory periods per week.
Prerequisite: Consent of instructor.

301—**Nursing Process in Health Continuum.** Three hours. Fall, Winter.
One theory period and six laboratory periods per week.

302—**Introduction to Pathology of the Physiological Systems.** Two hours. Winter, Spring.
Two theory periods per week.

303—**Systems of Nursing in Health Deviations.** Three hours. Winter, Spring.
One theory period and six laboratory periods per week.

305—**Nursing in the Promotion of Therapeutic Self Care and High Level Wellness.** Three hours. Spring, Summer.
One theory period and six laboratory periods per week.

306—**Introduction to Pharmacology.** Two hours. Fall, Winter.
Two theory periods per week.

410—**Maternal-Child Nursing.** Six hours. Fall, Winter.
Three theory periods and nine laboratory periods per week.

420—**Nursing in Illness-Wellness Continuum.** Six hours. Winter, Spring.
Two theory periods and twelve laboratory periods per week.

430—**Nursing to Promote Mental Health.** Three hours. Fall, Spring.
One theory period and six laboratory periods per week.

431—**Introduction to Personality Development in Psychopathology.** Two hours. As needed.
Two theory periods.

432—**Community Mental Health Nursing.** Six hours. As needed.
Three theory periods and nine laboratory periods.

440—**Community Health Nursing.** Three hours. Winter, Spring.
One theory period and six laboratory periods per week.

442—**Public Health Science.** Two hours. Winter, Spring.
Two theory periods per week.

445—**Public Health Nursing.** Six hours. As needed.
Two theory periods, one seminar period, and nine laboratory periods per week.

450—**Guided Study in Nursing.** Nine hours. Spring, Summer.
Four seminar periods and twenty-six laboratory periods per week.

451—**Nursing Leadership and Management.** Three hours. As needed.
Three theory periods per week.

492—**Directed Study in Nursing.** One to three hours.
May be taken for a total of six hours.
Prerequisite: Consent of instructor.

PHILOSOPHY (PHI—284)

151—**Introduction to Philosophy.** Three hours. Quarterly.
An introduction to the methods and major themes of philosophy.

251—**Classical Philosophy.** Three hours. Winter.
An outline survey of Greek, Roman, and medieval philosophical thought.

252—**Modern Philosophy.** Three hours. Spring.
The development of modern European philosophy from the 16th century to the present.

253—**Introduction to Logic.** Three hours. Quarterly.
An introduction to induction, deduction, syllogism, fallacies, scientific method, and symbolic logic.

352—**Oriental Philosophy.** Three hours. Fall.
A survey of the philosophical thought of India and the Far East.

353—**Study of a Major Philosopher.** Three hours. May be repeated for credit to a total of nine hours. Winter, Spring.
A detailed examination of a selected philosopher.

354—**Theories of Knowledge.** Three hours. Winter of even years.
An examination of recent philosophical positions in epistemology, including positivism, pragmatism, realism, and language analysis.

356—**Ethics.** Three hours. Winter.
The evolution of moral ideas from primitive to modern times.

451—**Political Philosophy.** Three hours. Spring.
The major schools of political philosophy from classical to contemporary times.

454—**Philosophical Systems.** Three hours. Fall of even years.
A more advanced study of rationalism, empiricism, idealism, existentialism, phenomenology, and analytical philosophy.

456—**Philosophy of Science.** Three hours. Fall of odd years.
The conditions and status of knowledge, perception, measurement, hypothesis, and causality.

457—**Aesthetics.** Winter of odd years.
An analysis of theories of art and beauty from Plato to the present.

458—**Symbolic Logic.** Three hours. Fall of even years.
The basic theory and operations of the sentential calculus, quantification, and the logic of relations.

492—**Special Problems.** One to three hours. As required.
A problem study to be approved by the department chairman.

PHYSICAL EDUCATION (PE—730)

The below listed courses are offered by the Department of Physical Education and the Department of Athletic Administration and Coaching. The Athletic Administration and Coaching courses are designated by the second digit 7 (i.e., PE 370 is **Basic Techniques of Coaching Football.)**

46, 47, 48—**Developmental Skills.** No credit. 46—Fall, 47—Winter, 48—Spring.

Required for health and physical education majors.

101—**Body Mechanics.** One hour. Quarterly.

112—**Softball for Women.** One hour. Spring.

113—**Soccer and Speedball for Women.** One hour. Winter.

115—**Women's Basketball.** One hour. Fall.

119—**Beginning Volleyball.** One hour. Quarterly.

130—**Four Wall Sports.** One hour. Quarterly.

131—**Fencing.** One hour. Quarterly.

132—**Beginning Badminton.** One hour. Quarterly.

133—**Beginning Archery.** One hour. Quarterly.

134—**Beginning Golf.** One hour. Quarterly.

135—**Beginning Bowling.** One hour. Quarterly.

141—**Beginning Tennis.** One hour. Quarterly.

150—**Beginning Gymnastics.** One hour. Quarterly.

160—**Beginning Swimming.** One hour. Quarterly.

181—**Beginning Social Dance.** One hour. Quarterly.

184—**Beginning Square Dance.** One hour. Quarterly.

185—**Beginning Folk, Contra, and Round Dances.** One hour. Quarterly.

188—**Beginning Modern Dance.** One hour. Quarterly.

218—**Officiating Techniques in Women's Sports.** Three hours. Winter.

220—**Introduction to Health and Physical Education.** Three hours. Winter.

Survey of the areas of health and physical education.

222—**A Survey of the History and Philosophies of Physical Education.** Three hours. Fall.

250—**Stunts and Tumbling for Women.** One hour. Spring.

270—**Varsity Football.** One hour. Fall.

271—**Varsity Basketball.** One hour. Winter.

272—**Varsity Baseball.** One hour. Spring.

273—**Varsity Track and Field.** One hour. Spring.

274—**Varsity Tennis.** One hour. Spring.

275—**Varsity Golf.** One hour. Spring.

276—**Techniques of Officiating Minor Sports** Three hours. Quarterly.

Personal skills and officiating techniques in varsity sports. To include track and field, swimming, golf, and tennis.

277—**Coaching Women's Basketball.** Two hours. Winter, Summer.

The selection, practice, and training of players. Offensive and defensive strategy. The study of the game of basketball as governed by the Division of Girl's and Women's Sports, Girl's National Basketball Committee, and Amateur Athletic Union.

280—**Ballet I.** Two hours. Spring.

281—**Modern Jazz.** Two hours. Summer.

282—**Modern Dance Workshop.** Two hours. Summer.

283—**History of Dance.** Two hours. Spring.
Survey of dance in various civilizations from prehistoric times to the present.

284—**Creative Rhythms for the Elementary School Child.** Two hours. Winter.

301—**Kinesiology.** Three hours. Fall, Spring.
Prerequisite: HTH 315.
Analysis of movement based on a knowledge of anatomy and physiology as applied to the function of muscles in body mechanics.

303—**Evaluation in Health and Physical Education.** Three hours. Fall, Spring.
Administration and interpretation of tests in health, physical fitness, and skills.

304—**Efficiency of Human Movement.** Three hours. Winter.
Prerequisite: HTH 315
The application of fundamental mechanical principles as they relate to human movement.

314—**Instructional Techniques in Team Sports for Women.** Three hours. Fall, Spring.
Development of personal skills and officiating techniques in team sports.

319—**Volleyball.** One hour. Winter.

320—**Physical Education in the Kindergarden and Elementary School.** Three hours. Winter.
Materials and methods, theory and practical experience in the movement education concepts.

321—**Physical Education in the Middle School.** Three hours. Winter.
Materials and methods in the middle school, theory and practical experience in selecting, organizing, and directing activities for the middle school.

323—**Physical Education for Men in Secondary Schools.** Three hours. Fall, Spring.
Developing personal skills in a variety of sports.

324—**Physical Education for Women in the Secondary School.** Three hours. Fall, Spring.
Developing personal skills in a variety of sports.

326—**Instructional Techniques in Individual and Dual Sports for Women.** Three hours. Winter.
Prerequisite: PE 324, or permission of instructor.

331—**Bowling.** One hour. Quarterly.

332—**Badminton.** One hour. Spring.

333—**Archery.** One hour. Spring.

334—**Golf.** One hour. Spring.

341—**Tennis.** One hour. Quarterly.

350—**Techniques of Teaching Stunts, Tumbling and Apparatus.** Two hours. Winter.

351—**Gymnastics.** One hour. Quarterly.

360—**Theory of Teaching Swimming and Diving.** Two hours. Summer.
Organization and administration of the community swimming program.

363—**Swimming.** One hour. Quarterly.

370—**Basic Techniques of Coaching Football.** Three hours. Fall, Spring.
The study of offensive and defensive fundamentals. A study of the philosophies, terminology, strategy, and individual techniques used in football.

371—**Basic Techniques of Coaching Basketball.** Three hours. Winter, Spring.
A study of basketball fundamentals. The history, philosophy, terminology, strategy, and individual techniques of basketball.

372—**Foundations and Trends in Athletics and Coaching.** Three hours. Fall, Spring.
The introduction to athletic administration and coaching. The role of athletics in education and in society, and the rules, regulations, policies and procedures of various governing bodies and professional organizations. Historical, sociological, cultural, philosophical and ethical principles dealing with athletics. Interrelationships with other school programs. Present and future trends within schools at all levels.

373—**Organization and Administration of High School Athletics.** Three hours. Quarterly.
Theory and practice in organizing major and minor sports programs with emphasis on selection, purchase, and care of equipment, travel and scheduling, officials, facilities, and business management.

374—**Coaching Golf.** Two hours. Winter, Spring.
To cover all phases of golf, including golf course planning and maintenance, rules and etiquette, tournament planning and competition. A study of the golf swing and putting to include theoretical and practical approaches to instruction, practice, and corrective techniques.

375—**Coaching Tennis.** Two hours. Quarterly.
Basic and advanced techniques and skills. Construction of tennis courts, rules, language and lore of tennis, practical work in coaching and directing of teams' activities for competition are also considered.

376—**The Organization and Administration of Aquatics.** Three hours. Quarterly.
Community and school swimming programs, pool operation, maintenance and sanitation.

377—**Coaching Swimming and Diving.** Three hours. Winter, Spring.
Fundamental and mechanical principles involved in swimming and diving. Selection and placement of personnel, practice schedules, and training techniques.

381—**Square Dancing.** One hour. Winter.

382—**Folk, Contra, and Round Dances.** One hour. Spring.

383—**Modern Dance.** Two hours. Fall.

384—**Intermediate Modern Dance.** Two hours. Winter.

385—**Advanced Modern Dance.** Two hours. Spring.
Prerequisite: PE 383 or permission of instructor.

386—**Composition.** Two hours. Fall.
Prerequisite: PE 385 or permission of instructor.

387—**Techniques of Production and Performance in Dance.** Two hours. Winter.
Prerequisite: PE 386 or permission of instructor.

388—**Social Dancing.** One hour. Spring.

389—**Techniques of Teaching Ballet and Modern Dance.** Three hours. Fall.
Prerequisites: PE 280, 383, 384, 385.

401—**Corrective, Adaptive, and Developmental Physical Education.** Three hours. Winter.
Recognition of, and corrective exercises for functional abnormalities.

402—**Physiology of Exercise.** Three hours. Fall, Spring.
Prerequisite: HTH 315.
A study of the physiological changes which occur in the body during muscular activity.

420, 421, 422—**Sports Laboratory.** (Beginning, intermediate, advanced) Two hours each. Quarterly.
Experiences in the various phases of intramural and physical activity programs.

424—**Seminar in Elementary Physical Education.** Three hours. Fall, Spring.
Prerequisites: PE 284, 320, 321, 450.

426—**Organization and Administration of Health and Physical Education.** Three hours. Fall, Spring.
The theory and procedure in adopting policies and programs necessary to the development and administration of a sound health and physical education program.

450—**Tumbling, Gymnastics, and Self-Testing Activities for the Elementary School Child.** Two hours. Winter.

470—**Development of Athletic Attributes.** Three hours. Quarterly.
The physiological and psychological aspects of coaching. Off season program for developing efficiency of an athlete, strength, conditioning, and agility drills. A program of weight training, isometric, and circuit training. Player analysis and placement of personnel.

471—**Practice Organization, Scouting and Communication Techniques.** Three hours. Fall, Spring, Summer.
Daily practice plans. All phases of scouting techniques. Cinematography and instructional sources, materials, techniques, and equipment for coaches.

472—**Life Saving and Water Safety.** Two hours. Quarterly.
Prerequisite: Proficiency in swimming.
American Red Cross Senior Life Saving Certificate awarded upon course completion.

473—**Water Safety Instructor's Course.** Two hours. Quarterly.
Prerequisite: PE 472.
Emphasis on knowledge and skills beyond the scope of Senior Life Saving, certifying personnel to conduct water safety courses in schools and communities.

474—**Techniques of Officiating Sports for Men.** Three hours. Quarterly.
Personal skills and officiating techniques of varsity sports.

475—**Advanced Techniques of Coaching Football.** Three hours. Fall, Winter, Summer.
Prerequisite: PE 370. Player selection, offensive and defensive formations, and game organization and strategy.

476—**Advanced Techniques of Coaching Basketball.** Three hours. Fall, Winter.
Prerequisite: PE 371
The criteria of player selection and its relationship to offensive and defensive alignments. Emphasis shall be placed in the area of theory, principles and techniques of offensive and defensive planning and strategy.

477—**Coaching Baseball.** Three hours. Spring, Summer.
The study of advanced techniques of baseball. Emphasis placed on player selection and placement, team organization, game strategy and current trends in baseball.

478—**Coaching Track and Field.** Three hours. Winter, Spring, Summer.
Selecting of personnel, fundamentals, and training techniques.

480—**Techniques of Teaching Rhythms.** Two hours. Winter.
Practical experience in group instruction in various areas of dance.

PHYSICS (PHY—360)

101, 102, 103—**General Physics.** Three hours each. Fall, Winter, Spring, Summer.
Three lecture hours, one recitation, and one 3-hour laboratory period per week.
Prerequisite: MAT 103. Corequisite for PHY 101.
A traditional course in general college physics intended for liberal arts and pre-medical students.
Mechanics and hydrodynamics; electricity and magnetism; light, heat, and sound. May not be taken by any one who has completed calculus except by permission of the chairman.

201, 202, 203—**General Physics with Calculus.** Three hours each. Fall, Winter, Spring.
Three lecture hours, one recitation, and one 3-hour laboratory period per week.
Corequisite: Calculus.
Mechanics and hydrodynamics; electricity and magnetism; light, heat, and sound.
A more rigorous course in general physics recommended but not required (in preference to PHY 101) for physics majors. This course is required of engineering students.

261—**Elementary Modern Physics.** Three hours. Spring.
Three lecture hours and one laboratory per week.
Prerequisite: PHY 103.
X-rays, relativity, radioactivity, elementary particles, lasers, fission and fusion, radar, and microwaves.

290-291—**Selected Topics I, II.** One hour each. Fall, Winter.
Two lectures per week.
Prerequisite: PHY 103.
Corequisites: Calculus 276 and 277.
Physics topics in mechanics and electricity and magnetism emphasizing the calculus approach.

327-328—**Electronics.** Three hours each. Winter, Spring.
Three lecture hours and one 3-hour laboratory period per week.
Prerequisites: PHY 103 or 203 and calculus.
Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation.

331-332—**Thermodynamics.** Three hours each course. Fall, Winter.
Three lecture hours and one 3-hour laboratory period per week.
Prerequisites: PHY 103 or 203 and calculus.
Temperature, thermodynamic systems, laws of thermodynamics, reversibility and irreversibility, carnot cycle, entropy and a brief introduction to the physics of very low temperatures.

341—**Geometrical Optics.** Three hours. Spring.
Three lecture hours and one 3-hour laboratory period per week.

Prerequisites: PHY 103 or 203 and calculus.
Rays, refractive and reflective surfaces, lens design, stops and optical instruments.

342—**Physical Optics.** Three hours. Spring.
Four lecture hours per week.
Prerequisites: PHY 341, calculus.
Huygen's Principle, interference, diffraction, polarization and electromagnetic theory of light.

350-351—**Mechanics.** Three hours each. Fall, Winter.
Four lecture hours per week, each course.
Prerequisites: PHY 103 or 203, calculus.
Mathematical treatment of the dynamics of particles and rigid bodies, wave motion, and vibration.

361—**Physics of the Atom I.** Three hours. Fall.
Three lecture hours and one laboratory period per week.
Prerequisites: PHY 103 or 203, and calculus as coprerequisite.
Survey of atomic particles, electromagnetic radiation and X-rays, the hydrogen atom, theory of optical spectra and electron distribution within the atom.

362—**Nuclear Physics of the Atom II.** Three hours. Winter.
Three lecture hours and one 3-hour laboratory period per week.
Prerequisite: PHY 361.
Natural radioactivity, fundamental particles, nuclear fission, radioactive production of isotopes and new elements.

392—**Physics Special Problems I, II, III.** One hour per quarter. Fall, Winter, Spring.
Prerequisite: Permission of the chairman.
A course limited to junior and senior physics majors, to work out in the laboratory special problems of interest to the student. A formal written report will be required, showing extensive library research, and a completed piece of functioning apparatus must be constructed.

421-422—**Electricity and Magnetism.** Three hours each. Winter, Spring.
Four lecture hours per week.
Prerequisites: PHY 103 or 203, calculus.
Vector analysis, electrostatics, magnetostatics and electromagnetic fields.

423-424—**Electrical Measurements Laboratory.** One hour each. Winter, Spring.
Corequisites: PHY 421 and 422.
Laboratory experiments in electricity and magnetism.

442—**The Physics of Waves.** Three hours. Spring.
Four lecture hours per week.
Prerequisite: Mechanics.
A treatment of waves in one, two, and three dimensions. Transverse waves, waves on a membrane, theory of elasticity, acoustic waves, diffraction, and spectrum analysis of waveforms.

461-462-463—**Modern Physics.** Three hours each. Fall, Winter, Spring.
Four lecture hours per week.
Prerequisites: PHY 362 and mechanics.
Electromagnetic waves, electron emission, X-radiation, relativity, quantum theory, spectroscopy, wave mechanics, atomic and nuclear structure, and cosmic rays.

464—**Fundamentals of Solid State Physics.** Three hours. Spring.
Three lecture periods and one 3-hour laboratory period per week.
Prerequisite: Permission of instructor.

Study of the solid as an electromagnetic wave medium, exitation levels, and the one electron theory.

465—**Nuclear Physics.** Three hours. Spring.
Three lecture periods and one 3-hour laboratory period per week.
Prerequisite: Permission of instructor.
Nuclear binding forces, chain reaction, criticality the non-steady state reactor, radiation shielding.

477—**Meteorology.** Three hours. Winter.
Four lecture hours per week.
Prerequisites: CHE 103 and PHY 103 or equivalent. Not counted toward a physics major.
General circulation, vertical structure, and principal variables will be stressed. The course will include radiation heating, and cooling with gravity-density effect on moisture, as well as large scale motion.

485-486—**History and Literature of Physics I and II.** Three hours each. Fall, Winter.
Four lecture hours per week.
Prerequisite: PHY 103 or 203.
A survey of the literature of physics from the ancients to Einstein; reviewing the development of concepts, and the rise and fall of various theories which were used to explain observed phenomena.

499—**Undergraduate Research I, II, III.** Two hours per quarter. Fall, Winter, Spring.
Prerequisite: Permission of the chairman.
A course limited to selected senior physics majors to introduce the student to methods of physical research, requiring a formal literature search, problem outlines, construction of apparatus, and collection of accurate data on some assigned problem. A formal report will be required.

POLITICAL SCIENCE (PS—280)

101—**American Government.** Three hours. Quarterly.

220—**Introduction to Political Science.** Three hours. Fall, Spring.
A basic survey of the general field of study of political science to prepare students for subsequent study in a specific subject and field.

301—**State and County Government.** Three hours. Quarterly.

302—**Current Problems in Government.** Three hours. Fall, Winter, Spring.
A study of current problems before the national, state, and local governments at the time the course is taught. Different problems are studied in different years.

303—**Race and Politics in the United States.** Three hours. Spring.
The course will stress the role of Afro-Americans in the American political system.

330—**United States Foreign Policy.** Three hours. Quarterly.

350—**Latin American Fundamentals.** Three hours. Alternate years beginning 1973-74.
A broad orientation course on Middle and South America and the West Indies.

401—**American Political Process.** Three hours. Fall.
An analysis of the American political system on an advanced level.

402—**Municipal Government.** Three hours. Fall.

404—**The Legislative Process.** Three hours. Spring.

406—**American Political Parties and Pressure Groups.** Three hours. Quarterly.

407—**Mississippi Government.** Three hours. Winter.

408—**The Presidency and Congress.** Three hours. Spring.
A study of the interplay of roles and functions, powers and pressures among the President, the Bureaucracy, and the Congress in shaping the policies and actions of the United States, internal and external.

409—**Southern Politics.** Three hours. Spring, Summer.
An examination of the politics and political culture of the southern states since 1945. The course consists of an analytical, synthesizing, and expository examination of empirical literature.

420—**Political Theory to Locke.** Three hours. Fall.

421—**Political Theory Locke to Present.** Three hours. Spring

425—**American Political Theory.** Three hours. Winter

430—**International Politics.** Three hours. Winter, Spring.

431—**International Organization.** Three hours. Spring.

432—**Politics of the Power Blocs.** Three hours. Winter.
An intensive analysis of the pattern of politics resulting from the formation of the two major power blocs and the developing formation of lesser blocs, such as that led by Communist China and the Neutralist bloc, the Common Market bloc, and the Japanese sphere.

434—**Inter-American Politics.** Three hours. Winter.
A study of hemisphere relations, with emphasis on the United States and Latin America, bilaterally and multilaterally.

435—**Soviet Foreign Policy.** Three hours. Fall.

450—**Governments and Policies of Western Europe.** Three hours. Spring.

451—**Soviet Government and Politics.** Three hours. Winter.

452—**British Government and Politics.** Three hours. Fall.

453—**Middle Eastern Governments and Politics.** Three hours. Winter.

454—**Far Eastern Governments and Politics.** Three hours. Winter.

455—**Tropical African Governments and Politics.** Three hours. Spring.

456—**Latin American Governments and Politics.** Three hours. Fall.

458—**Latin American Political Integration and Development.** Three hours. Alternate years beginning 1973-1974.

470—**Public Administration.** Three hours. Fall, Winter.

471—**Public Personnel Administration.** Three hours. Alternate years beginning 1973-1974.

472—**Organization and Management.** Three hours. Winter.

473—**Policy Formulation.** Three hours. Spring.

480—**United States Constitutional Law.** Three hours. Fall, Spring.

481—**The Judicial Process.** Three hours. Fall, Winter.

482—**Comparative Judicial Politics.** Three hours. Spring.
Prerequisite: PS 480 or PS 481 or consent of instructor.

485—**International Law.** Three hours. Spring.

492—**Special Problems.** One to three hours.

POLYMER SCIENCE (PSC—370)

In the sequence of courses the immediate lower number is prerequisite for the following course.

301, 302—**Introduction to Polymer Science I, II.** Three hours each. Fall (301), Winter (302).

Four hours lecture per week in 301; three hours lecture and three hours laboratory per week in 302.

Consists of introduction to the theory of macromolecules, the mechanisms of synthesis, physical and mechanical properties. To include naturally occurring macromolecules as well as synthetic organic and inorganic macromolecules.

303—**Polymer Preparation and Characterization.** Four hours. Spring.

Three hours lecture and six hours laboratory per week.

To include the synthesis and characterization of a variety of polymer systems, i.e. polyesters, polyurethanes, acrylates, amides, imides, and polyesterethers. Will involve the use of solution and emulsion polymerization techniques.

310—**Technical and Scientific Communication.** One hour. As needed.

Training in the theory, design, and organization of reports for science and industry. Preparation of written and oral reports for specific scientific and technical problems.

340—**Forensic Science I.** Three hours. As needed.

Three hours lecture and three hours laboratory per week.

An introductory study of techniques, such as paint analysis, fingerprint, shoe print, and tire track lifting, fiber matching, plastics analyses, neutron activation analysis, X-ray spectrometry, ultraviolet, visible and infrared spectrometry, employed in a forensic laboratory. Not to be counted toward a degree in polymer science.

341—**Forensic Science II.** Three hours. As needed.

Three hours lecture and three hours laboratory per week.

Prerequisite: Forensic Science I.

Serology, document examination, ballistics, and chemical analyses as employed in a forensic laboratory. Not to be counted toward a degree in polymer science.

350, 351—**Polymeric Materials I, II.** Three hours each. As needed.

A descriptive course to acquaint the student with plastics as a class of materials. The history, classification, definitions, raw materials, methods of manufacture, properties and uses of polymeric materials.

352—**Polymeric Materials III.** Three hours. As needed.

Three hours lecture and three hours laboratory per week.

A continuation of **Polymeric Materials II.** Emphasis to be placed on the engineering thermoplastics, polymers for thermal extremes are discussed.

360—**Plastics Technology I.** Three hours. As needed.

Analysis of additives including stabilizers, plasticizers, biocides, release agents, flame retardants, colorants, and foaming agents as well as modifiers, fillers and reinforcing agents. Laboratory instruction in the processing and fabrication of plastic materials.

361—**Plastics Technology II.** Three hours. As needed.

Discussion of compounding techniques and the evaluation and development of typical plastics molding compounds. Survey of materials for reinforced plastics and composites, film and sheeting, adhesives, and non-plastics application of polymers. Continued laboratory instruction in the processing and fabrication of plastics materials.

362—**Plastics Technology III.** Three hours. As needed.

A theoretical and practical study of plastics process engineering. Correlation and composition, processing and fabrication with mold, product and equipment design. Assignment of research projects designed to develop the student's ability to organize and conduct investigations of materials performance and processing techniques.

401—**Polymer Structure.** Three hours. Fall.
Four hours lecture per week.
An introduction to polymer structure, including polymer chain conformation, solution properties, thermodynamics, fractionation, and molecular weight measurement.

402, 403—**High Polymer.** Three hours each. Winter (402); Spring (403).
Three hours lecture and three hours laboratory per week.
A continuation of **Polymer Structure.** Analysis of polymers by instrumental methods, morphology, rheology, structure-property relationships, polymer processing and kinetics of addition, condensation, and copolymerization.

440—**Drug Identification.** Three hours. As needed.
Four hours lecture per week.
Lectures, demonstrations and discussions will cover all aspects of drug identification with emphasis on the subjective nature of identification particularly as would be important to a law enforcement officer. This is not to be counted toward a degree in polymer science.

460—**Physical Properties of Polymers I.** Three hours. As needed.
Introduction to basic mechanical properties of polymers as linear viscoelastic materials. Concept of creep, stress relaxation, and superposition principles are emphasized. Important material parameters are obtained in laboratory sessions.

461—**Physical Properties of Polymers II.** Three hours. As needed.
Dynamic mechanical behavior, interrelations between various properties, electrical behavior, miscellaneous mechanical properties, optical properties.

463—**Senior Research in Plastics.** Three hours. As needed.
Individual research projects in plastics, dealing with properties, processing products, and industry organization. Students will review the existing literature, obtain materials and equipment, plan and carry out research programs, and submit final reports.

470—**Surface Coatings II.** Three hours. As needed.
Three hours lecture and three hours laboratory per week.
Introduction to the physical and chemical properties of materials and employed in surface coatings formulations. Different types of binders, such as drying oils, natural and synthetic resins, cellulose and rubber derivatives and bituminous resins are emphasized. Solvents, driers, plasticizers, pigments and additives to paints such as wetting and thixotropic agent are also discussed.

471—**Surface Coatings II.** Three hours. As needed.
Three hours lecture and three hours laboratory per week.
The formulation of paints, dispersion techniques, surface preparation and application, the drying of surface coatings, film properties, novel surface coatings, modern non-pollution techniques of application, and methods of analyzing surface coatings formulations.

490, 491—**Special Projects in Polymer Science.** Three hours each. As needed.
Two hours seminar and six hours laboratory per week.
Seminar and laboratory course in which a problem is presented to the student such that he may pursue library search of pertinent reference sources. Prospectus is prepared and research plan is executed with final status report required.

493—**Plastics Seminar.** Two hours. As needed.
Informal discussion based on literature study conducted by the individual, of topics in, or related to, plastics technology.

PSYCHOLOGY (PSY—175)

110—**General Psychology.** Three hours. Quarterly.
Open to freshmen.
An introduction to the scientific study of human behavior and experience.

231—**Mental Hygiene.** Three hours. Winter.
Prerequisite: PSY 110.
A course designed to promote understanding of the problems people face in our society, the diverse ways in which they respond to these problems, and the psychological reasons they respond in these ways.

251—**Applied Psychology.** Three hours. Quarterly.
Prerequisite: PSY 110.
Application of psychological methods and principles to occupational fields other than education, including business and industry, law, medicine, the ministry, and others.

310—**Advanced General Psychology.** Three hours. Quarterly.
An advanced course in general psychology covering in greater depth selected topics. Required of all psychology majors.

320—**Experimental Psychology.** Three hours. Quarterly.
Prerequisites: PSY 310 and 360.
Introduction to experimental methodology and laboratory apparatus with application to various areas of psychology such as perception, learning, and motivation. Lecture and laboratory.

360—**Introduction to Statistics for the Behavioral Sciences.** Three hours. Quarterly.
Computation of measures of central tendency, variability, and correlation. Introduction to concepts of sampling techniques (t tests, chi square, and analysis of variance).

375—**Developmental Psychology.** Three hours. Winter.
A study of the course of growth and development throughout the life span, with emphasis on principles of development. Students who take EPY 370 or 372 should not take this course.

418—**History and Systems of Psychology.** Three hours. Fall, Spring.
Prerequisite: Permission of the instructor.
Review of the history of psychology, and intensive study of current systems of psychology. Primarily for psychology majors as final senior course.

420—**Sensation and Perception.** Three hours. Winter.
Prerequisite: PSY 320.
A survey of sensory and perceptual processes with emphasis on the visual system.

422—**Psychology of Learning.** Three hours. Fall, Spring.
Prerequisite: PSY 320.
A study of the basic problems, theories, concepts, and research in the areas of human and animal learning.

424—**Comparative Psychology.** Three hours. As needed.
Prerequisite: PSY 320.
An introduction to the study of animal behavior with special emphasis on the comparison of psychological processes along the phylogenetic scale.

426—**Physiological Psychology.** Three hours. Fall, Winter, Summer.
Prerequisite: PSY 110.
Relationships between physiological functions, especially those of the nervous system, and psychological functions, including perception,

emotion, motivation and learning. Primarily for psychology majors and premedical students.

436—**Abnormal Psychology.** Three hours. Fall, Winter, Spring.
Prerequisites: Good background in psychology and permission of the instructor.
Study of the major psychoses, the psychoneuroses, and mental deficiency; field trips and demonstration clinics. Primarily for psychology majors, premedical students, and students planning to enter law, social work, teaching, or the ministry.

450—**Social Psychology.** Three hours. Winter.
Prerequisite: PSY 110.
Study of social influences on personality development and perceptual-cognitive processes; social motivation, with emphasis on self-enhancement; aggression and helping behavior; interpersonal attraction; attitude change; and role-related behavior.

451—**Industrial Psychology.** Three hours. Fall, Spring.
Prerequisite: PSY 110. (PSY 360 recommended.)
Applications of psychological principles and methods to problems of industry, emphasizing employee selection and placement, merit rating, accident reduction, training, and measurement and improvement of employee morale.

455—**Psychology of Personality.** Three hours. Fall, Winter, Summer.
Prerequisite: PSY 110 and permission of the instructor.
A study of the facts involved in the development of the mature personality, with an analysis of the structure and dynamics of personality; critical review of methods of personality evaluation.

462—**Psychological Measurement.** Three hours. Winter, Summer.
Prerequisites: PSY 201 and 360.
Theory, problems and techniques of psychological measurement. Group tests of ability, aptitude, interests, and personality are emphasized.

492—**Special Problems in Psychology.** One to six hours. As needed.
Prerequisites: PSY 320 and consent of instructor.

495—**Field Experience in Psychology.** One to three hours. As needed.
Prerequisites: Twenty-four hours of psychology and permission of the instructor.
Opportunity for the student to observe and participate in the activities of one or several agencies providing psychological services. One or two half-days per week in the agency, under supervision.

498—**Senior Thesis.** Three hours.
Prerequisite: Permission of department chairman and instructor.

PUBLIC ADDRESS (PA—216)

111—**Oral Communication.** Three hours. Quarterly.

112—**Argumentation and Debate.** Three hours. Fall, alternate years.

210—**Voice and Diction.** Three hours. Quarterly.

310—**Forensics.** One hour. (May be repeated for three hours credit.) Quarterly.

311—**Persuasion.** Three hours. Winter.

315—**Speech Composition.** Three hours. Winter.
Prerequisite: Consent of instructor.

324—**Phonemics.** Three hours. Spring, alternate years.
Prerequisite: PA 210 or SHS 201.

330—**Discussion and Group Leadership.** Three hours. Quarterly.

400—**Symbolic Function in Persuasion.** Three hours. Spring, alternate years.
Prerequisite: Consent of instructor.

403—**Political Campaign Rhetoric.** Three hours.
Fall of election year, state or national.

492—**Special Problems.** One to three hours.

RADIO-TELEVISION-FILM (RTF—220)

270—**Introduction to the Film.** Three hours. Quarterly.

271—**Basic Film Production.** Three hours. Quarterly.

302—**Broadcast Journalism.** Three hours. Fall, Spring.
Prerequisite: JOU 102.

310—**Radio Laboratory.** One hour (May be repeated for three hours total.) Quarterly.

311—**Radio Production.** Three hours. Winter.

320—**Announcing.** Two hours. Fall, Spring.
Prerequisite: PA 210.

330—**Broadcast Advertising.** Three hours. Winter, alternate years.

371—**Basic Cinematography.** Three hours. Winter, Spring.

375—**Film Editing.** Three hours. Fall.
Prerequisites: COM 250 or RTF 271 and consent of instructor.

377—**Film Production Workshop.** Two hours. Spring.

416—**Radio Station Management.** Three hours. Fall, alternate years.
Prerequisite: 12 hours of RTF courses.

417—**Radio Production Workshop.** Two hours. Winter.

425—**Audience Analysis.** Three hours. Spring.

440—**Television Production.** Three hours.

447—**Television Production Workshop.** Two hours. Spring.

460—**Issues in Broadcasting.** Three hours. Fall, alternate years.
Prerequisite: Consent of instructor.

471—**Advanced Cinematography.** Three hours. Winter.
Prerequisites: RTF 371, RTF 375 and consent of instructor.
Two hours of lecture, and four hours of laboratory.

472—**Writing for Television and Film.** Three hours. Spring, alternate years.

477—**Advanced Film Production Workshop.** Two hours. Spring.

492—**Special Problems in Radio-Television-Film.** One to three hours.
Prerequisite: Consent of instructor.

RECREATION (REC—735)

SERVICE ACTIVITY COURSES (NON-CAREER)—The following are activity courses offered on a pass-fail basis only. These are not to be credited for major requirements.

180—**Skeet and Trap Shooting.** One hour. Arranged.

181—**Marksmanship.** One hour. Arranged.

182—**Marksmanship Instructor's Course.** One hour. Arranged.
Prerequisite: REC 181
Course required for marksmanship instructor certification by the National Rifle Association.

183—**Pioneering.** One hour. Fall, Spring.

184—**Canoeing.** One hour. Fall, Spring.

185—**Family Camping and Campcraft.** One hour. Fall, Spring.

186—**Freshwater Fishing and Boating.** One hour. Arranged.

187—**Saltwater Fishing and Boating.** One hour. Arranged.

188—**Hobbycraft.** One hour. Winter.

189—**Naturecraft.** One hour. Winter.

CAREER COURSES—The following are career courses offered to meet requirements for a major in recreation leading to a Bachelor of Science degree.

200—**Man's Search for Leisure.** Three hours. Fall, Spring.
An introductory course in the history of the recreation movement and contemporary leisure values.

201—**Development of Activity Leadership Skills.** Three hours. Fall, Spring.
A course to develop through direct experiences the personal skills of individual students in leading participants in a variety of recreational activities and programs.

202—**Programming for Social and Mass Recreation.** Three hours. Fall, Spring.
A study of the methods and techniques involved in programming and leading group social activities and mass recreational participation.

322—**Theory of Recreation Programming.** Three hours. Winter, Spring.
A study of the methods and techniques related to planning, scheduling, and conducting recreational programs and activities.

323—**Theory of Recreation Leadership.** Three hours. Fall.
A study of the methods and techniques for leading individuals in group recreational activity.

341—**Camper Counseling, Administration and Operation.** Three hours. Spring.
A study of the objectives, activities, methods, and administrative and operational policies of organized camps.

342—**Outdoor Recreation.** Three hours. Spring.
A study of the trends, opportunities, agencies, activities, and resources related to the recreational use of the outdoors.

402—**Undergraduate Seminar in Recreation.** One hour. Winter.
A seminar course pertaining to selected professional topics having pertinency and timeliness to the profession of recreation.

403—**Field Work in Recreation.** Nine hours. Quarterly.
A full-load, full quarter field work course to provide each undergraduate major student with a supervised practical experience in the various programs and activities of a selected agency involved in providing recreation to the public.

413—**Organization and Administration of Public Recreation.** Three hours. Fall, Winter.
A study of the organization and administration of public recreation agencies.

415—**Business Procedures for Parks and Recreation.** Three hours. Winter.
A study of specific business procedures and administrative policies and forms related to recreation agencies.

417—**Park Management and Operation.** Three hours. Fall, Winter.
A study of the theory and current practices involved in the effective management and operation of parks and recreation areas.

419—**Operation and Maintenance of Special Areas and Facilities.** Three hours. Winter.

A study of methods, techniques, and current practices for construction, operating, and maintaining special recreation areas and facilities.

422—**Youth Service Programs and Organization.** Three hours. Fall.
A study of the responsibilities, relationships, organization, administration, and activities of youth-service programs.

424—**Community Center and Playground Programs and Operation.** Three hours. Winter.
A study of the administration, programs, and operation of playgrounds and community centers.

426—**Community-School Recreation.** Three hours. Fall, Spring.
A study of the organization, inter-relationships, and conduct of community-school recreational programs.

432—**Environmental Aspects of Recreation.** Three hours. Winter.
A study of the inter-relationships between recreational resources.

434—**Park Development and Design.** Three hours. Spring.
A study of the theory of park site development and design.

436—**Park and Recreation Planning Methodology.** Three hours. Fall.
A study of the methods, techniques, and procedures for systematic park and recreation planning and plan preparation.

438—**Urban Recreation and Open Spaces.** Three hours. Winter.
A study of all aspects of parks and recreation in the urban community.

441—**Resources Management and Policy.** Three hours. Winter.
A study of management policies, methods, and procedures for natural resource areas having recreational value and use.

443—**Outdoor Education.** Three hours. Spring.
A study of outdoor education, specifically its philosophy, programs, methods, and resources.

447—**Interpretation of Cultural and Natural Resources.** Three hours. Spring.
A study of the techniques of the interpretation of cultural and natural resources for recreational and educational purposes.

451—**Therapeutic Recreation Programming.** Three hours. Winter.
A study of the organization, programming, and special conduct of recreational programs and activities in institutions.

452—**Gerontology and Recreation for Later Years.** Three hours. Fall, Spring.
A study of the aging process and the special recreational needs, problems, opportunities, and activities of older people.

RELIGION (REL—288)

ANT 412, **Mythology and Folklore,** may also be offered for credit as a religion course by students majoring or minoring in religion, or philosophy and religion, or anthropology and religion.

331—**Introduction to Religion.** Three hours. Quarterly.
The study of religion as an aspect of human culture with attention to both Christian and non-Christian religions.

332—**Primitive Religion.** Three hours. Winter.
Beliefs and ritual in primitive society. Relationship between magic and early religion. Animism, animatism, ghost-worship, and cults of death.

333—**History of the Old Testament.** Three hours. Fall.
A study of Jewish history and thought as presented in the writings of the Intertestamental Era.

334—**The Life of Jesus.** Three hours. Quarterly.
A study of the life of Jesus as presented in the first three gospels.

431—**Religion in the Rise of American Culture.** Three hours. Fall.
A study of the origin and development of the major religious groups in the United States from colonial times to the present.

432—**History of the Christian Church I.** Three hours. Winter.
A study of the history of the church from the apostolic period through the Renaissance.

433—**History of the Christian Church II.** Three hours. Winter.
A study of the history of the church from the Reformation to the modern era.

435—**Religious Literature and Thought of the Near East.** Three hours. Winter, alternate years.
A survey of Judaism, Islam, and Zoroastrianism.

437—**Religious Literature and Thought of the Far East.** Three hours. Spring, alternate years.
A survey of Hinduism, Buddhism, Taoism, Confucianism, and Shintoism.

492—**Special Problems.** One to three hours.

SCIENCE EDUCATION (SCE—380)

432—**Science for Elementary Teachers.** Three hours. Quarterly.
Prerequisites: FS 104, 105, 106, 107, or 6 semester hours in physical science and 6 semester hours in biological science.
Designed to relate basic scientific principles to the elementary grades, and provide experience in presenting these principles to the elementary school child through the use of a variety of materials, activities, and methods. Required of and designed for elementary education majors only.

453—**Earth and Environmental Sciences for Intermediate School Teachers.** Three hours. On demand.
Prerequisite: Earth and environmental science background or permission of the instructor.
A course designed to familiarize teachers with the materials, methods, and techniques developed by the earth and environmental science projects. Emphasis is placed on laboratory and field work for data collection, and principles of other sciences as they relate to the study of the earth.

454—**Biological Sciences for Intermediate School Teachers.** Three hours. Fall.
A detailed critical examination of the subject matter, techniques, and methods for teaching the life sciences in a locally structured, student-oriented classroom. Microteaching is provided to insure a new kind of teaching as required by new kinds of educational materials. This course may not be used to fulfill University core requirements.

455—**Physical Science for Intermediate School Teachers.** Three hours. Winter.
A detailed critical examination of the subject matter, techniques, and methods for teaching the various modern physical science curriculum project materials. This course will orient teachers with the philosophy of science as a tool of learning and emphasize the use of the laboratory as a tool of science. This course may not be used to fulfill University core requirements.

470—**BSCS Biology for Secondary Teachers.** Three hours. Spring.
Prerequisite: Permission of instructor.
This course is for teachers only, and may not be used for credit toward a major in biology.

A detailed critical examination of the subject matter, techniques, and methods for teaching biology in secondary schools as proposed by the Biological Sciences Curriculum Study. Designed to orient teachers in modern biology subject matter and special techniques by presenting background material and special laboratory exercises. Emphasis is placed on the laboratory as the source of information from which sound conclusions can be drawn.

471—**CHEM Chemistry for Secondary Teachers—Methods and Techniques.** Three hours. Summer.

Prerequisite: Permission of instructor.

A course designed to familiarize chemistry teachers with the materials, methods, and techniques of teaching chemistry developed by the Chemical Education Materials Study Committee. Unifying principles of chemistry are emphasized, with laboratory work providing the basis of development.

472—**Physics for Secondary Teachers—Methods and Techniques.** Three hours. On demand.

Prerequisite: Permission of instructor.

A course designed to familiarize physics teachers with content, methods, materials, and techniques of physics developed by physics curriculum groups. (This course may not be used to fulfill a major or minor in physics.)

492—**Special Problems.** One to three hours. As required.

A problem study to be approved by the department chairman.

SECONDARY EDUCATION (CIS—120)

310—**Junior-Senior High School Reading Methods.** Three hours. Quarterly.

A course designed to familiarize junior and senior high school teachers with reading methods and materials. Special emphasis is placed on improving reading skills in the subject matter areas and providing suitable material for poor readers.

313—**Principles of Teaching in High School.** Three hours. Quarterly.

Taken simultaneously with student teaching. Aims of secondary education, motivation and direction of learning, school organization, including guidance, and an introduction into methodology.

451—**Methods in Business Education.** Three hours. Fall, Summer.

A study of business education trends and aims, teaching procedures, tests and measurements, special helps, and teaching materials.

452—**Methods in Art.** Three hours. Winter.

Aims, objectives, and methods of art education in the elementary and secondary schools.

453—**Methods in Industrial Arts.** Three hours. Winter, Summer.

Methods and materials in the teaching of industrial arts.

454—**Methods in English—Secondary.** Three hours. Quarterly.

Required of English majors who follow the professional teaching program. Should be taken in the third quarter of the junior year or in the summer preceding the senior year. A course in methods of teaching English in the junior and senior high schools.

455—**Methods in Foreign Languages.** Three hours. Winter, Summer.

Required of foreign language majors who follow the professional teaching program. A course in methods of teaching French, Spanish, and German in high schools.

456—**Methods in Teaching Science—Secondary.** Three hours. Fall, Winter, Spring.

Prerequisite: Senior standing (this course should be taken one or two quarters before student teaching).

A course designed to familiarize teachers with trends in the secondary science curriculum. It includes a study of materials and techniques used in presenting subject matter to the secondary school student. Emphasis is placed upon the design of activities dealing with science as a form of inquiry and investigation. Readings are required in the science and science education periodicals.

457—**Methods in Mathematics—Secondary.** Three hours. Fall, Spring.

Should be taken after the student has completed most of his mathematics courses.

A course designed to give the student a knowledge of the foundation on which mathematics is built, the aims and purposes of teaching the subject in high school, curriculum problems, organization and presentation of subject matter, methods of teaching, and methods of testing.

458—**Methods in Social Studies—Secondary.** Three hours. Quarterly.

Prerequisite: EPY 374 or consent of instructor.

A study of principal methods of teaching, application of psychological principles to teaching, methods of selecting content, and materials available. The work is adapted to the social studies in the high school.

459—**Methods in Speech.** Three hours. Fall.

Prerequisite: Consent of instructor.

A general orientation to the teaching of speech, followed by individualized unit work in the special fields of speech.

462—**Methods and Principles in Health, Physical Education, and Recreation.** Three hours. Quarterly.

For grades 1 through 12. Primarily for students majoring or minoring in health, physical education, and recreation. Materials and techniques of teaching health, physical education, and recreation in public schools.

465—**Methods in Journalism.** Three hours. Winter.

A course designed to prepare the student for the teaching of journalism on the secondary school level. Should be scheduled after the student has taken the majority of his courses in journalism.

470—**Curriculum of the Secondary Schools.** Two hours. As needed.

A critical examination of the present day curriculum with emphasis upon the core curriculum.

472—**Student Activities in Secondary Schools.** One hour. As needed.

Consideration is given to the general nature and organization of the program popularly known as extra-curricular activities. Major emphasis is placed upon the various activities that constitute an activity program in a modern high school.

481-494—**Student Teaching in High School.** Nine hours. Fall, Winter, Spring.

The individual courses in pre-service student teaching are listed below:

481—Business Education ..... Nine hours
482—Art Education ..... Nine hours
483—Industrial Arts ..... Nine hours
484—English ..... Nine hours
485—Foreign Languages ..... Nine hours
486—Sciences ..... Nine hours
487—Mathematics ..... Nine hours
488—Social Studies ..... Nine hours
489—Speech ..... Nine hours
491—Health, Physical Education, Recreation ..... Nine hours

492—Library Science .....Nine hours
493—Music Education .....Nine hours
494—Journalism .....Nine hours

495—**Seminar in Secondary Student Teaching.** Six hours. Summer.
In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment. The applicant must be teaching in Mississippi.

496—**Internship in Secondary Education.** Nine hours. As needed.
Credit is awarded at the successful completion of three quarters of experience in an approved internship. EPY 470 and CIF 421 must be completed during the internship. Enrollment by permission of the Director of Interns only.

SOCIOLOGY (SOC—292)

Note: All 400 level courses are open only to students of junior standing or higher.

101—**Introduction to Sociology.** Three hours. Quarterly. Prerequisite to all other sociology courses.
A course designed to give the student a general overview of the perspective, concepts and methodology of sociology.

230—**Introduction to Social Work.** Three hours. Fall, Winter, Spring.
An introduction to the purpose, methods, and philosophy of contemporary social work. Open to persons in other disciplines who wish to know something of the nature of social work.

240—**Social Problems.** Three hours. Fall, Spring.
A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change.

310—**Urban Sociology.** Three hours. Quarterly.
An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology and ecological processes. Consideration is given to the impact of urbanization and industrialization on social institutions, levels of living, and demography.

311—**Rural Sociology.** Three hours. Fall, Spring.
A study of the structure, institutions, and social processes of rural society; and of the effect of urbanization on rural society.

314—**The Family.** Three hours. Fall, Spring.
An analysis of the structure and functions of the family as an institution. Some emphasis on contemporary trends and factors shaping the contemporary family.

330—**Methods of Social Work.** Three hours. Fall, Winter, Spring.
Prerequisite: SOC 230.
A study of the principles of social case work.

341—**Criminology.** Three hours. Winter, Summer.
A study of causes, treatment, and prevention of crime. The presentation deals with criminology, penology, and criminal legislation in ancient and modern times.

350—**Sociology of Minorities.** Three hours. Fall, Spring.
An analysis of socio-cultural factors in minority-majority relationships and their social and psychic implications.

420—**Industrial Sociology.** Three hours. Spring.
An advanced sociological study of industrial and work units as social systems in their institutional setting.

424—**Gerontology.** Three hours. Winter.
Sociology of aging.

426—**Sociology of Education.** Three hours. Summer.
A comprehensive study of the educational institution; an analysis of the school as a social institution; and the relationship of the educational institution to the community and general society.

433—**Field Work Practicum.** Three to six hours. Quarterly.
Designed to provide the student with practical field experiences in a career-oriented area.

440—**Social Control and Collective Behavior.** Three hours. Winter.
A study of principles and techniques by which conformity to the laws and other norms of social units is produced and maintained. Additional emphasis is placed on collective efforts to escape from or redefine social norms.

444—**Juvenile Delinquency.** Three hours. Fall, Spring.
A study of causes and the nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs.

450—**Social Foundations of Personality.** Three hours. Winter, Summer.
A comprehensive treatment of the role of the social group and the cultural heritage in the development and functioning of the human personality. An analysis of social institutions, social organizations, and social experience as they are related to personality development.

460—**Methods of Social Research.** Three hours. Fall, Spring.
A survey of elementary research techniques, illustrated by demonstrations and projects. How to locate, process, analyze, and interpret social research data.

461—**Population.** Three hours. Winter.
Prerequisite: SOC 460 or equivalent.
This course introduces the student to the science of demography and examines differentials and trends in birth rates, migration, sex ratios, and mortality rates.

471—**Social Institutions.** Three hours. Spring.
A detailed study of major American social institutions, their functions, interrelationships, and significant trends. Emphasis on theory of social structure.

480—**Advanced General Sociology.** Three hours. Fall, Spring.
An advanced course in general sociology giving expanded treatment to the basic sociological concepts and subject-matter areas.

481—**History of Social Thought.** Three hours. Fall.
An examination of early social thought, tracing the development of western thought and ideas from Hammurabi to Comte.

482—**Sociological Theory.** Three hours. Winter, Summer.
A survey of the growth and development of sociological theory from Comte to the present.

492—**Special Problems.** One to three hours (Tutorial).
To be used to pursue specialized interests for which courses are not offered.

SPECIAL EDUCATION (SPE—190)

200—**Practicum in Special Education I.** One hour. Quarterly.
Initial experience with exceptional children. This introductory course should be taken as soon as possible for majors.

201—**Practicum in Special Education II.** One hour. Quarterly.
Observational experience with exceptional children.

202—**Practicum in Special Education III.** One hour. Quarterly.
Tutorial and aide experience with exceptional children.

300—**Problems in Special Education.** Three hours. Fall, Spring.
Organization and administration at state and local levels of education for the exceptional child. Considers classroom organization, screening, and general management.

310—**Student Teaching: Observation.** One hour. Quarterly.
First clinical and student teaching experience for speech correction majors.

311—**Student Teaching: Screening.** One hour. Quarterly.
Clinical work in assessing children in speech and audiology.

312—**Student Teaching: Clinical Practice.** One to seven hours. Quarterly.

400—**The Psychology and Education of the Exceptional Child.** Three hours. Quarterly.
Considers the psychological and educational needs of children in the typical groups; physically, visually, or auditorially handicapped; defective speech, mentally retarded, and socially and emotionally maladjusted.

401—**Curriculum Adaptation for Exceptional Youth.** Three hours. Quarterly.
Considers adjunctive programs commonly utilized in education for the exceptional child. Vocational education, early childhood training, arts and craft programs, and physical education and recreation are discussed.

402—**Methods and Material in Teaching Exceptional Children.** Three hours. Quarterly.
A study of methods and materials useful in meeting the needs of the exceptional individual. A variety of media and methods will be emphasized for various exceptionalities.

403—**Educational Evaluation of Exceptional Children.** Three hours. Quarterly.
Basic principles underlying measurement and evaluation in education with emphasis on interpretation as it relates to exceptional children.

410—**Methods in Speech and Hearing.** Three hours. Winter.
Prerequisites: SHS 201, 202, 211, 221, 411, and SHS major.
A course designed to acquaint the speech and hearing major with clinical conditions as found in public schools, including practice with various types of speech and hearing cases, and instruction in working with parents, teachers, and the public in solving speech and hearing problems.

411—**Speech and Hearing Problems for the Classroom Teacher.** Three hours. Winter, Summer.
A course designed to acquaint the teacher with speech and hearing problems commonly found in the classroom.

420—**Physiology and Hygiene of the Eye.** Three hours. Fall.
Identification, function, and care of the eye as it relates to the visually handicapped.

421—**Methods and Materials in Teaching Visually Handicapped.** Three hours. Winter.
A study of practices commonly used in educational programs including Braille, space orientation, special materials, and organization.

422—**Braille.** Three hours. Fall.
Basic course in reading Braille.

423—**Teaching of Braille.** Three hours. Winter.
Prerequisite: SPE 422 or equivalent.
Common educational procedures in Braille reading.

424—**Special Adjustments for the Visually Handicapped.** Three hours. Spring.
Introduction to mobility training and spatial orientation.

425—**Psychology and Education of the Visually Handicapped.** Three hours. Spring.
A study of social-emotional and cognitive learning factor of the visually handicapped.

428—**Psychology and Education of the Physically Handicapped.** Three hours. Winter.
A study of major handicapping conditions, adaptations, social emotional, and intellectual consideration.

429—**Curriculum for the Physically Handicapped.** Three hours. Spring.
A study of education programs for the physically handicapped.

430—**Learning Disabilities.** Three hours. Quarterly.
Prerequisite: SPE 400 or permission.
A study of social, emotional, physical, and learning characteristics of extreme learning disabilities including the visual-motor-perceptual complex; extreme reading and expressive language problems; diagnosis; and class organization.

431—**Curricula for Specific Learning Disabilities.** Three hours. Quarterly.
Prerequisite: SPE 402, or permission.
A study of specific learning experiences in educating the learning disabled.

432—**Methods and Materials for Teaching Learning Disabilities.** Three hours. Winter, Spring, Summer.
Prerequisite: SPE 430 or permission of instructor.
A study of methods and materials most useful in teaching the perceptually handicapped. A variety of media and methods will be emphasized to meet the needs of this exceptionality and also possibly to illustrate appropriate materials for other exceptionalities.

440—**Education of the Mentally Retarded.** Three hours. Quarterly.
Prerequisite: SPE 400, or permission.
A study of the social, emotional, physical, and intellectual characteristics of the mentally retarded; methods of diagnosis and differentation, and special class organization.

441—**Curricula for the Mentally Retarded.** Three hours. Quarterly.
Prerequisite: SPE 402, or permission.
A study of specific learning experiences in educating the mentally retarded.

442—**Methods and Materials for Teaching the Mentally Retarded.** Three hours. As needed.
Prerequisite: SPE 440, or permission.
A study of methods and materials most useful in teaching the mentally handicapped.

480—**Student Teaching of the Mentally Retarded.** Nine hours.

482—**Student Teaching the Visually Handicapped.** Nine hours.

483—**Student Teaching the Physically Handicapped.** Nine hours.

485—**Student Teaching in Learning Disabilities.** Nine hours.

489—**Seminar in Special Education of Student Teaching.** One to six hours. Arranged.

In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment.

491—**Special Problems in Special Education.** One to three hours. Arranged.

A consideration of special interest areas in the field of exceptional children. This course is designed for particular group participation and must be arranged with the Department of Special Education.

SPEECH AND HEARING SCIENCES (SHS—296)

201—**Introduction to Phonetics.** Three hours. Fall, Winter.

202—**Fundamentals of Speech and Hearing Science.** Three hours. Fall, Winter.

211—**Introduction to Communication Disorders.** Three hours. Winter, Spring.

221—**Introduction to Audiology.** Three hours. Winter, Spring.

401—**Language Development.** Three hours. Fall, Winter.

402—**Anatomy and Physiology of the Hearing Mechanism.** Three hours. Fall.

403—**Anatomy and Physiology of the Speech Mechanism.** Three hours. Winter.

411—**Articulation Disorders.** Three hours. Fall, Spring.
Prerequisites: SHS 201, 211.

412—**Diagnostic Procedures in Speech Pathology I.** Three hours. Fall, Winter.
Prerequisites: SHS 201, 211.

413—**Voice Disorders.** Three hours. Winter, Spring.
Prerequisites: SHS 211, 403.

414—**Stuttering and Related Problems.** Three hours. Fall, Spring.
Prerequisite: SHS 211.

415—**Speech and Language Disorders of the Cerebral Palsied.** Three hours. Winter.
Prerequisites: SHS 211, 403.

416—**Adult Aphasia and Related Problems.** Three hours. Spring.
Prerequisites: SHS 211, 403.

417—**Speech and Language Disorders Related to Cleft Palate.** Three hours. Summer.
Prerequisites: SHS 211, 403.

421—**Aural Rehabilitation.** Three hours. Fall, Winter.
Prerequisite: SHS 221.

431—**Language Disorders I: Assessment of Children with Language Disorders.** Three hours. Fall, Winter.

432—**Language Disorders II: Habilitation of the Aphasic Child.** Three hours. Winter, Spring.
Prerequisites: SHS 201, 431.

433—**Language for Deaf and Other Language-Impaired Children I.** Three hours. Fall, Spring.

434—**Language for Deaf and Other Language-Impaired Children II.** Three hours. Winter.

435—**Speech for the Hard-of-Hearing and Deaf.** Three hours. Spring. Prerequisite: SHS 201.

436—**Problems in Reading and Related Subjects for the Hard-of-Hearing and Deaf.** Three hours. Summer.
Prerequisite: SHS 433 or permission of the instructor.

437—**History, Education, and Guidance for the Deaf.** Two hours. Fall.

438—**Problems in Academic Subjects for the Hard-of-Hearing and Deaf.** Three hours. As needed.
Principles and methods underlying the teaching of academic subjects to deaf and severely hard-of-hearing children.

439—**Preschool Hard of Hearing and Deaf.** Three hours. Fall, Spring. Prerequisite: SHS 221. Practicum required.

492—**Special Problems.** One to three hours.

THEATRE ARTS (THE—685)

100-101-102—**University Theatre.** One hour each.
Participation in the major theatrical productions of the department.

103—**Introduction to Theatre.** Three hours. Fall.

111—**Fundamentals of Oral Interpretation.** Three hours. Quarterly.
General education approach to the art as a means of communicating literary content. Emphasis on the increased understanding and appreciation of individual prose, poetic, and dramatic selections when shared by oral reader and audience.

120—**Fundamentals of Acting.** Three hours. Quarterly.
The development of the actor's technique.

125—**Movement for the Actor.** Two hours. Winter.

140—**Vocal Techniques for the Actor-Singer.** Two hours. Fall, Winter, Spring.
May be taken three times.

150-151-152—**Modern Dance Techniques and Composition.** Two hours each. Fall, Winter, Spring.
Discussion and practices of movement patterns, improvisation, and studies in modern dance.

155—**Dance Repertory.** One hour. May be repeated for a total of three hours. Fall, Winter, Spring.

200—**Stagecraft.** Three hours. Fall, Winter, Spring.
Both study and practical application of the techniques of building and painting stage scenery and properties.

204—**Stage Makeup,** Two hours. Fall, Spring.

220-221-222—**University Theatre.** One hour each.

240—**Mime and Pantomime.** Two hours. Spring, alternate years.

250—**Ballet Techniques and Composition.** Two hours. Fall, Spring.
Discussion and practice of movement patterns, improvisation, and studies in ballet.

253—**Dance Improvisation.** Two hours. Winter.

254—**Music Analysis and Accompaniment for Dance.** Two hours. Spring, alternate years.

255—**Dance Repertory I.** One hour. May be repeated for a total of three hours. Fall, Winter, Spring.

258—**Modern Dance Technique and Survey.** Two hours. May be repeated for a total of six hours. Fall, Winter, Spring.

259—**Intermediate Dance Composition.** Two hours. Winter.
Exploration of the elements of dance applied to dance choreography.

301—**Reader's Theatre.** Three hours. Spring.
Prerequisite: THE 111.
Theories and problems of presenting prose, poetry, and drama in solo and group performances. Concentrated consideration will be given to group interpretative reading variously called "reader's theatre," "chamber theatre," "interpreter's theatre," "concert reading," and "platform reading."

306—**Scene Design.** Three hours. Winter.
Prerequisite: THE 200 or consent of instructor.
Elements of stage design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

320—**Directing.** Three hours. Fall.
Prerequisites: THE 120 and 200.

330-331-332—**University Theatre.** One hour each.

341-342-343—**Opera Workshop.** One hour each.
The complete stage production of scenes and major productions from the Music Theatre repertoire for public performance.

355—**Dance Repertory.** One hour. May be repeated for a total of three hours. Fall, Winter, Spring.

356—**Dance History I.** Three hours. Winter, alternate years.

357—**Dance History II.** Three hours. Spring, alternate years.

358—**Modern Dance Technique and Theory.** Two hours. May be repeated for six hours. Fall, Winter, Spring.

359—**Advanced Composition.** Two hours. Fall.

370—**Methods of Teaching Dance.** Three hours. Fall, alternate years.
A study of the principles of teaching dance, and the objectives of dance as they relate to education. Includes observation and supervised teaching experiences.

401—**History and Design of Costumes.** Three hours. Spring.

412—**Stage Lighting.** Three hours. Fall.
Theory and application of general and special lighting, color, instrumentation, and control.

416—**Playwrighting.** Three hours. Spring.
Prerequisite: Consent of instructor.

417—**Advanced Acting.** Three hours. Winter.
Emphasis on presentational styles.

420—**Advanced Directing.** Three hours. Winter.
Prerequisite: THE 320.

427-428-429—**Theatre History I, II, III.** Three hours each. Fall, Winter, Spring.
Study of the development of the Theatre from early Egypt to the present.

430-431—**Summer Theatre I, II.** Three hours each.
Concentrated applied theatre.

435—**Advanced Scene Design.** Three hours. Spring, alternate years.
Prerequisite: THE 306 or consent of instructor.
The techniques of scene design as applied to non-realistic stage settings.

445—**Advanced Stage Lighting.** Three hours. Spring, alternate years.

446—**Experimental Theatre.** Three hours.
A study of new forms in theatre.

447-448-449—**Opera Workshop.** One hour each.
The complete stage production of scenes and major productions from the Music Theatre repertoire for public performance.

450-451-452—**University Theatre.** One hour each.

455—**Dance Repertory.** One hour. May be repeated for a total of three hours. Fall, Winter, Spring.

458—**Modern Dance Technique and Analysis.** Two hours. May be repeated for a total of six hours. Fall, Winter, Spring.

459—**Musical Theatre Production.** Three hours.
Prerequisite: One hour of Opera Workshop.
Study of the different forms and styles of Music Theatre with special attention to the various elements of production.

465—**Music Resources for Dance.** Two hours. Winter, alternate years.
Studying and gathering of music resources for dance.

466—**Dance Lecture and Demonstration.** Three hours. Spring, alternate years.
Techniques of preparing dance lecture-demonstrations and tours.

467—**Dance Curriculum and Organization.** Three hours. Winter, alternate years.
Study of dance curriculums and administrative problems.

468—**Musical Theatre Dance.** Two hours. Winter.

470—**Senior Dance Production.** Three hours. Spring.

480—**Directing Children's Theatre.** Three hours. As needed.
The techniques of directing, organizing, and administering a children's theatre program.

490—**Theatre Workshop.** Three hours. Summer.
Designed for the non-theatre major (i.e., English, speech, music, etc.) who is responsible for directing school or community drama activities.

492—**Problems in Theatre I, II.** Two hours each.
Prerequisite: Consent of instructor.

THE FACULTY

FACULTY EMERITI

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[1] Deceased, December 23, 1972 [2] Deceased, December 26, 1972

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